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SHARP 21V-FS700S SERVICE MANUAL

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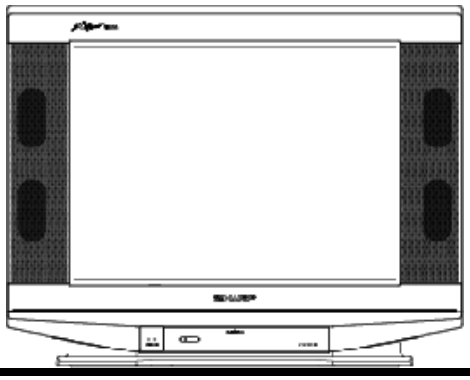
SHARP SERVICE MANUAL



No. S6810121VFS700S

COLOUR TELEVISION
Chassis No.GA-7S

MODEL 21V-FS700S

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

FEATURES

- NTSC
- Frequency Synthesizer Tuner
- Full Auto System
- 100-CH Program Memory
- CATV (Hyper Band Ready)
- Hotel Mode
- White Temperature Select
- Off Timer
- Blue Back Function
- Aperture Control Circuit
- Auto Fine Tuning
- High Contrast Picture (Black Stretch Circuit)
- Stereo
- Multi Languages OSD (English/Spanish)
- 5 Band Graphic Equalizer
- Front AV IN & Rear AV IN / OUT Terminals
- AV Mode (3 Mode)
- Child Lock
- Component In
- AVL Function
- Bass+
- M.P-In Jack
- Picture Noise Reduction Function
- Closed Caption
- Surround
- EZ Setup

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Parts Guide

WARNING

The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing this chassis. To prevent electric shock, do not remove cover. No user-serviceable parts inside. Refer servicing to qualified service personnel.

SHARP CORPORATION

CHAPTER 1. SPECIFICATIONS

[1] SPECIFICATIONS

Convergence	Self Convergence System
Focus	Electro-Static Focusing
Sweep Deflection	Magnetic

Intermediate Frequencies

Picture IF Carrier	45.75MHz
Sound IF Carrier Frequency	41.25MHz
Colour Sub-Carrier Frequency	42.17MHz

Power Input	110 ~ 240V AC 50/60 Hz
Power Consumption	105W
Audio Power Output Rating	3W(rms) x 4

Speaker

Size	9 x 5 cm Elliptic (4 pcs)
Voice Coil Impedance	32 ohms at 400 Hz

Aerial Input Impedance

VHF/UHF	75 ohms Unbalanced
Receiving System	NTSC

Receiving Channel

VHF-Channels	2 thru 13
UHF-Channels	14 thru 69
CATV-Channels	1 thru 125

Dimensions ..... Width: 577mm
Height: 467mm
Depth: 340mm
Weight(approx): 20 kg

Cabinet material ..... All Plastics

Specifications are subject to change without prior notice

CHAPTER 2. IMPORTANT SERVICE NOTES

[1] IMPORTANT SERVICE NOTES

Maintenance and repair of this receiver should be done by qualified service personnel only.

1. SERVICE OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove static charge from it by connecting a 10K ohm resistor in series with an insulated wire (such as a test probe) between picture tube dag and 2nd anode lead. (AC line cord should be disconnected from AC outlet.)

1) Picture tube in this receiver employs integral implosion protection.
2) Replace with the same type number of picture tube for continued safety.
3) Do not lift picture tube by the neck.
4) Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage completely.

2. X-RAY

This receiver is designed so that any X-Ray radiation is kept to an absolute minimum. Since certain malfunctions or servicing may produce potentially hazardous radiation with prolonged exposure at close range, the following precautions should be observed:

1) When repairing the circuit, please make sure do not increase the high voltage of the set to more than 26.0kV (at beam 0μA).
2) To keep the set in a normal operation, please make sure it's function at 23.0kV ± 1.0kV (at beam 1000μA). The set has been factory - adjusted to the above-mentioned high voltage.

   *If there is a possibility that the high voltage fluctuates as a result of the repairs, never forget to check for such high voltage after the work.
3) Do not substitute a picture tube with unauthorizerd types and/or brands which may cause excessive X-ray radiation.

3. BEFORE RETURNING THE RECEIVER

Before returning the receiver to the user, perform the following safety checks.

1) Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the receiver.
2) Inspect all protective devices such as non-metal control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators etc.

CHAPTER 3. ADJUSTMENT PRECAUTIONS

[1] ADJUSTMENT PRECAUTIONS

This model's setting are adjusted in two different ways: through the I2C bus control and in the conventional analog manner. The adjustments via the I2C bus control include preset-only items and variable data.

1. Setting the service mode by the microprocessor.

   (1). Press and hold the local key "VOL DOWN" & "CH UP" when power on the main switch, TV will enter into the SERVICE MODE in Adjustment Mode. (The initial value of EEPROM are automatically preset when new EEPROM is used).
   Service Mode also can be reached by pressing "Service" key (code: 40 Hex)

   (2). Press the CH DOWN / UP key on the remote controller to select the items one by one in Adjustment Mode.

   (3). Using the VOLUME UP/ DOWN key on the remote controller, the data can be modified.

   (4). When press the local key "VOL DOWN" & "CH UP" at the same time, it will be released from the service mode.

   (5) Press the MENU key on the remote controller to enter into NVM mode.
   Press MENU key again to leave the NVM mode return to Adjustment Mode.
   (Not recommended to modify the data unless as listed in BUS SETUP data)

   (6) Press both CH-UP and VOL-DOWN buttons on the TV set simutaneously or press the "SERVICE" (40HEX) key again, it will switch to the NORMAL mode position, and the microprocessor is out of the SERVICE mode.

2. Factory Presetting.

   (1). Press remote controller key of code "ED" for 4 seconds, the initial values are automatically preset.

   (2). The initial data are preset as listed in page 5~8.

   (3). Make sure whether the data need to modify or not (Initial data).
   (Refer to BUS SETUP DATA)

Note: Once the chassis has been assembly together and in ready condition, please make sure it's go through initialize process (see sect 2 above)

Precaution: If haven't done this initialization, malfunction might be happen.

ADJUSTMENT ITEM

*****Below are the adjustment items that should be done, PLS FOLLOW THE PROCEDURE. Otherwise some adjustment items will not be accurate.**

NO ***	ADJUSTMENT ITEM	EFFECTIVE MODE	REVISION
1	BUS SET UP		
2	RF-AGC		
3	FOCUS ADJ		
4	V-SLOPE		
5	V-SHIFT 60		
6	V-AMP-60		
7	V-LIN		
8	S COR		
9	H-SHI-60		
10	EW-W-60		
11	E/W-PAR-60		
12	UPCOR-PAR		
13	LOCOR-PAR		
14	H-BOW		
15	H-PAR		
16	EW-TRAP		
17	V-SHIFT50		
18	V-AMP-50		
19	H-SHIFT-50		
20	EW-W-50		
21	E/W-PAR-50		
22	SCREEN		
23	WHITE BALANCE		
24	SUB-BRIGHTNESS		
25	SUB-CONTRAST		
26	BEAM CURRENT CHECK		
27	SUB-COLOR	21V-FS700S	
28	SUB-TINT		
29	HV PROTECTOR CHECK		
30	OTHER PROTECTOR CHECK		
31	AV OUT CHECK		
32	AV IN CHECK		
33	COMPONENT IN CHECK		
34	PICTURE CONTROL CHECK		
35	COLOR CONTROL CHECK		
36	BRIGHTNESS CONTROL CHECK		
37	TINT CONTROL CHECK		
38	SHARPNESS CONTROL CHECK		
39	CH DISPLAY COLOR CHECK		
40	SURROUND CHECK		
41	BALANCE CHECK		
42	BASS+ CHECK		
43	EQUALIZER CHECK		
44	NORMAL DISPLAY CHECK		
45	COLOR TEMP CHECK		
46	COLOR SYSTEM CHECK		
47	SOUND SYSTEM CHECK		
48	MP-IN CHECK		
49	NOISE MUTE CHECK		
50	OSD LANGUAGE QUANTITY CHECK		
51	MTS CHECKING		
52	CLOSED CAPTION CHECKING		
53	SHOCK TEST CHECK		

USER DATA IN SERVICE MODE

. While SERVICE mode ON, EEPROM DATA will switch to the service data.
Also, once SERVICE mode OFF, EEPROM will also switch to service (default) data .

. In the service mode, the user data establish as below,

	USER DATA		MODELS
PICTURE	MAX	60	21V-FS700S
COLOUR	CENTER	0	
BRIGHT	CENTER	0	
TINT	CENTER	0	
SHARP	CENTER	0	
COLOR TEMP	CENTER		
S-VOLUME	MIN		
EQUALIZER	*1		
SURROUND	OFF		
BALANCE	0		
AVL	ON		
BASS+	ON		
OFF TIMER	--:--		
PASSWORD	0		
BLUE BACK	OFF		
MP IN	OFF		
MTS	STEREO		
AIR / CABLE	AIR		
CH SEARCH	AUTO		
EZ SETUP	AUTO		

*1: Same as Movie mode default data

The flow of Mode list as following,

* Direct Key-in Mode for Service Items in Service Mode

RC CODE (HEX)	SERVICE-ITEM
C8	TV / VIDEO
28	DATA UP
A8	DATA DOWN
68	POWER / STANDBY
E8	S-MUTE
04	CHANGE MODE
64	V-LIN
54	V-SHI-50 / V-SHI-60
D4	V-SLOPE
74	H-SHI-50 / H-SHI-60
0C	H-PAR
BC	EW-W-50 / EW-W-60
E2	CUT-RS / CUT RS-DVD
0A	DRI-GS / DRI-GS-DVD
6A	CUT-RW / CUT-RW-DVD
9A	DRI-GC / DRI-GC-DVD
3A	DRI-GW / DRI-GW-DVD
9E	VSD
31	SUB-TINT
B1	SUB-COLOR
71	SUB-BRI / SUB-BRI-DVD
F1	BLOC
C9	V-AMP-60 / V-AMP-50
83	AUTO RF-AGC
1F	CUT-RC / CUT-RC-DVD

**AFTER INITIALIZED THE EEPROM (REFER TO FACTORY PRESETTING), READ DATA FROM EEPROM ADDRESS 00H ~ 03H,AND COMPARE TO THE LIST BELOW, IF DIFFERENT, INITIALIZE THE EEPROM.

ADDRESS	DATA	ADDRESS	DATA
00H:	**00H**	02H:	**03H**
01H:	**00H**	03H:	**1FH**

*** There are two stages of service mode. First stage is ADJUSTMENT MODE; data from 01~36.
To go into second stage of service mode , press MENU key.Second stage is NVM MODE data from 000~3FF

ADJUSTMENT MODE (01~35)

1) Press CH UP/CH DOWN to select the item.
1) Press VOL UP/VOL DOWN to modify/ adjust the data.

Item	Setting Item	Setting Range	IC	Default (DEC)	FIX/ADJ/AUTO	REMARK	FINAL DATA
01	RF-AGC	0…63	UOC-TV	23	AUTO		AUTO
02	V-SLOPE	0…63	UOC-TV	28	ADJ	PLS REFER TO ADJ ITEM FOR HORIZONTAL, VERTICAL, DEFLECTION LOOP	ADJ
03	V-SHI-50	0…63	UOC-TV	33	ADJ		ADJ
04	V-AMP-50	0…63	UOC-TV	28	ADJ		ADJ
05	H-SHI-50	0…63	UOC-TV	38	ADJ		ADJ
06	EW-W-50	0…63	UOC-TV	48	ADJ		ADJ
07	E/W-PAR-50	0…63	UOC-TV	42	ADJ		ADJ
08	H-PAR	0…63	UOC-TV	30	ADJ		ADJ
09	H-BOW	0…63	UOC-TV	30	ADJ		ADJ
10	UPCOR-PAR	0…63	UOC-TV	42	ADJ		ADJ
11	LOCOR-PAR	0…63	UOC-TV	44	ADJ		ADJ
12	E/W TRAP	0…63	UOC-TV	30	ADJ		ADJ
13	V-LIN	0…63	UOC-TV	32	FIX		32
14	S-COR	0…63	UOC-TV	32	FIX		32
15	DRI-RS	0…63	UOC-TV	32	ADJ	PLS REFER TO ADJ ITEM FOR WHITE BALANCE	ADJ
16	DRI-GS	0…63	UOC-TV	32	FIX		32
17	DRI-BS	0…63	UOC-TV	32	ADJ		ADJ
18	CUT-RS	0…63	UOC-TV	16	ADJ		ADJ
19	CUT-GS	0…63	UOC-TV	16	ADJ		ADJ
20	CUT-BS	0…63	UOC-TV	16	ADJ		ADJ
21	SUB-BRI	0…63	UOC-TV	24	ADJ		ADJ
22	SUB-CON	0…63	UOC-TV	59	ADJ		ADJ
23	SUB-COL	0…63	UOC-TV	10	ADJ		ADJ
24	SUB-TINT	0…63	UOC-TV	36	ADJ		ADJ
25	SUB-SHARP	0…63	UOC-TV	10	FIX		10
26	V-SHI-60	0…63	UOC-TV	33	ADJ		ADJ
27	V-AMP-60	0…63	UOC-TV	28	ADJ		ADJ
28	H-SHI-60	0…63	UOC-TV	45	ADJ		ADJ
29	EW-W-60	0…63	UOC-TV	48	ADJ		ADJ
30	E/W-PAR-60	0…63	UOC-TV	42	ADJ		ADJ
31	VSD	0/1	UOC-TV	1	FIX		1
32	CUT OFF	0…63	UOC-TV	25	FIX		25
33	DCXO	0…3	UOC-TV	50	FIX		50
34	ISP MODE	0/1	UOC-TV	0	FIX		0
35	BLOC	0…15	UOC-TV	4	FIX		4

NVM MODE ITEMS (1/5)

1) Press CH UP / CH DOWN key to move the highlighted cursor (between NVM address and NVM data)
2) To change NVM address / modify data: VOL UP key= increase 0ne step data ; VOL DOWN key= decrease one step data ;
0~9 key = 0~9 ; FAV key A ; FAV key B ; FAV key C; FAV key D ; MPX key= E

ADDRESS (HEX)	DATA D7	D6	D5	D4	D3	D2	D1	D0	MICON DEFAULT [hex]	EEPROM RANGE [hex]	REMARKS	FINAL DATA
0000 0001	LOCKING PASSWORD								0000	0000-270F	**FIX**	0
0002	PACKAGE NUMBER (MSB)								03	00-FF	**FIX**	03
0003	PACKAGE NUMBER (LSB)								1F	00-FF	**FIX**	1F
0008	RF-AGC (01)								17	00-3F	**ADJ**	ADJ
0009	V-SLOPE (02)								1C	00-3F	**ADJ**	ADJ
000A	V-SHI-50 (03)								21	00-3F	**ADJ**	ADJ
000B	V-AMP-50 (04)								1C	00-3F	**ADJ**	ADJ
000C	H-SHI-50 (05)								26	00-3F	**ADJ**	ADJ
000D	EW-W-50 (06)								30	00-3F	**ADJ**	ADJ
000E	E/W-PAR-50 (07)								2A	00-3F	**ADJ**	ADJ
000F	H-PAR (08)								1E	00-3F	**ADJ**	ADJ
0010	H-BOW (09)								1E	00-3F	**ADJ**	ADJ
0011	UPCOR-PAR (10)								2A	00-3F	**ADJ**	ADJ
0012	LOCOR-PAR (11)								2C	00-3F	**ADJ**	ADJ
0013	E/W-TRAP (12)								1E	00-3F	**ADJ**	ADJ
0014	V-LIN (13)								20	00-3F	**FIX**	20
0015	S-COR (14)								20	00-3F	**FIX**	20
0016	DRI-RS (15)								20	00-3F	**ADJ**	ADJ
0017	DRI-GS (16)								20	00-3F	**FIX**	20
0018	DRI-BS (17)								20	00-3F	**ADJ**	ADJ
0019	CUT-RS (18)								10	00-3F	**ADJ**	ADJ
001A	CUT-GS (19)								10	00-3F	**ADJ**	ADJ
001B	SUB-BRI (21)								18	00-3F	**ADJ**	ADJ
001C	SUB-CON (22)								3B	00-3F	**ADJ**	ADJ
001D	SUB-COL (23)								0A	00-3F	**ADJ**	ADJ
001E	SUB-TINT (24)								24	00-3F	**ADJ**	ADJ
001F	SUB-SHARP (25)								0A	00-3F	**FIX**	0A
0020	DRI-RS-DVD								21	00-3F	**FIX**	21
0021	DRI-GS-DVD								20	00-3F	**FIX**	20
0022	DRI-BS-DVD								21	00-3F	**FIX**	21
0023	CUT-RS-DVD								21	00-3F	**FIX**	21
0024	CUT-GS-DVD								29	00-3F	**FIX**	29
0025	SUB-BRI-DVD								1C	00-3F	**FIX**	1C
0026	SUB-CON-DVD								1F	00-3F	**FIX**	1F
0027	SUB-TINT-DVD								27	00-3F	**FIX**	27
0028	DRI-RC								1F	00-3F	**FIX**	1F
0029	DRI-GC								20	00-3F	**FIX**	20
002A	DRI-BC								28	00-3F	**FIX**	28
002B	CUT-RC								20	00-3F	**FIX**	20
002C	CUT-GC								20	00-3F	**FIX**	20
002D	DRI-RW								22	00-3F	**FIX**	22
002E	DRI-GW								20	00-3F	**FIX**	20
002F	DRI-BW								1D	00-3F	**FIX**	1D
0030	CUT-RW								20	00-3F	**FIX**	20
0031	CUT-GW								20	00-3F	**FIX**	20
0032	DRI-RC-DVD								1F	00-3F	**FIX**	1F
0033	DRI-GC-DVD								20	00-3F	**FIX**	20
0034	DRI-BC-DVD								28	00-3F	**FIX**	28
0035	CUT-RC-DVD								20	00-3F	**FIX**	20
0036	CUT-GC-DVD								20	00-3F	**FIX**	20
0037	DRI-RW-DVD								22	00-3F	**FIX**	22
0038	DRI-GW-DVD								20	00-3F	**FIX**	20
0039	DRI-BW-DVD								1D	00-3F	**FIX**	1D
003A	CUT-RW-DVD								20	00-3F	**FIX**	20
003B	CUT-GW-DVD								20	00-3F	**FIX**	20
003C	VER-SHI-P50								27	00-3F	**FIX**	27
003D	VER-AMP-P50								23	00-3F	**FIX**	23
003E	H0R-SHI-P50								1F	00-3F	**FIX**	1F
003F	EW-W-P50								0B	00-3F	**FIX**	0B

Note: Highlighted items cannot be adjusted due fixed by software.(if adjusted it will has no effect)

NVM MODE ITEMS (2/5)

ADDRESS (HEX)	DATA								MICON DEFAULT [hex]	EEPROM RANGE [hex]	SETTING DATA [hex]	FINAL DATA
	D7	D6	D5	D4	D3	D2	D1	D0				
0040	E/W-PAR-P50								20	00-3F	**FIX**	20
0041	V-SHI-60 (26)								1F	00-3F	**ADJ**	ADJ
0042	V-AMP-60 (27)								1F	00-3F	**ADJ**	ADJ
0043	H-SHI-60 (28)								26	00-3F	**ADJ**	ADJ
0044	EW-W-60 (29)								20	00-3F	**ADJ**	ADJ
0045	E/W-PAR-60 (30)								1F	00-3F	**ADJ**	ADJ
0046	VER-SHI-P60								24	00-3F	**FIX**	24
0047	VER-AMP-P60								25	00-3F	**FIX**	25
0048	H0R-SHI-P60								25	00-3F	**FIX**	25
0049	EW-W-P60								0A	00-3F	**FIX**	0A
004A	E/W-PAR-P60								1E	00-3F	**FIX**	1E
004B	CUT OFF (32)								19	00-3F	**FIX**	19
004C	DCXO (33)								32	00-04	**FIX**	32
004D	DRI-RLC (40)								20	00-3F	**FIX**	20
004E	DRI-GLC (41)								20	00-3F	**FIX**	20
004F	DRI-BLC (42)								20	00-3F	**FIX**	20
0050	CUT-RLC (43)								20	00-3F	**FIX**	20
0051	CUT-GLC (44)								20	00-3F	**FIX**	20
0052	DRI-RLW (30)								20	00-3F	**FIX**	20
0053	DRI-GLW (31)								20	00-3F	**FIX**	20
0054	DRI-BLW (32)								20	00-3F	**FIX**	20
0055	CUT-RLW (33)								20	00-3F	**FIX**	20
0056	CUT-GLW (34)								20	00-3F	**FIX**	20
0057	DRI-RLC-DVD (67)								1F	00-3F	**FIX**	1F
0058	DRI-GLC-DVD (68)								20	00-3F	**FIX**	20
0059	DRI-BLC-DVD (69)								24	00-3F	**FIX**	24
005A	CUT-RLC-DVD (70)								20	00-3F	**FIX**	20
005B	CUT-GLC-DVD (71)								20	00-3F	**FIX**	20
005C	DRI-RLW-DVD (57)								21	00-3F	**FIX**	21
005D	DRI-GLW-DVD (58)								20	00-3F	**FIX**	20
005E	DRI-BLW-DVD (59)								1F	00-3F	**FIX**	1F
005F	CUT-RLW-DVD (60)								20	00-3F	**FIX**	20
0060	CUT-GLW-DVD (61)								20	00-3F	**FIX**	20
0061	OF-COL-TV								1E	00-3E	**FIX**	1E
0062	OF-COL-AV								1E	00-3E	**FIX**	1E
0063	OF-COL-DVD								1E	00-3E	**FIX**	1E
0064	OF-COL-P								28	00-3E	**FIX**	28
0065	OF-COL-S								24	00-3E	**FIX**	24
0066	OF-COL-N4								27	00-3E	**FIX**	27
0067	OF-COL-N3								27	00-3E	**FIX**	27
0068	OF-SHP-TV								21	00-3E	**FIX**	21
0069	OF-SHP-AV								1D	00-3E	**FIX**	1D
006A	OF-SHP-DVD								2B	00-3E	**FIX**	2B
006B	OF-SHP-P								23	00-3E	**FIX**	23
006C	OF-SHP-S								1F	00-3E	**FIX**	1F
006D	OF-SHP-N4								1F	00-3E	**FIX**	1F
006E	OF-SHP-N3								28	00-3E	**BUS SETUP**	24
006F	OF-TINT-TV								27	00-3E	**BUS SETUP**	2C
0070	OF-TINT-AV								2F	00-3E	**FIX**	2F
0071	OFFSET OF COL DVD FIELD FREQ 60HZ								1F	00-3E	**FIX**	1F
0072	OF-TINT-ADJ								1F	00-3E	**FIX**	1F
0073	BB-TINT								20	00-3F	**FIX**	20
0074	U-BASS MUSC								0D	00-3C	**FIX**	0D
0075	U-BASS NEWS								0D	00-3C	**FIX**	0D
0076	U-BASS MOV								0D	00-3C	**FIX**	0D
0077	U-TREBLE MUSC								12	00-3C	**FIX**	12
0078	U-TREBLE NEWS								12	00-3C	**FIX**	12
0079	U-TREBLE MOV								12	00-3C	**FIX**	12
007A	U-BRI-MUSC								1E	00-3E	**FIX**	1E
007B	U-BRI-NEWS								1E	00-3E	**FIX**	1E
007C	U-BRI-MOV								1E	00-3E	**FIX**	1E
007D	U-COL-MUSC								1E	00-3E	**FIX**	1E
007E	U-COL-NEWS								18	00-3E	**FIX**	18
007F	U-COL-MOV								24	00-3E	**FIX**	24

Note: Highlighted items cannot be adjusted due fixed by software.(if adjusted it will has no effect)

NVM MODE ITEMS (3/5)

ADDRESS (HEX)	DATA D7 D6 D5 D4 D3 D2 D1 D0	MICON DEFAULT [hex]	EEPROM RANGE [hex]	SETTING DATA [hex]	FINAL DATA
0080	U-CON-MUSC	3C	00-3C	**FIX**	3C
0081	U-CON-NEWS	32	00-3C	**FIX**	32
0082	U-CON-MOV	3C	00-3C	**FIX**	3C
0083	U-SHP-MUSC	1E	00-3E	**FIX**	1E
0084	U-SHP-NEWS	18	00-3E	**FIX**	18
0085	U-SHP-MOV	24	00-3E	**FIX**	24
0086	OSD-BRIGHTNESS	16	00-1F	**FIX**	16
0087	V-POS-OSD (50HZ)	30	00-3F	**FIX**	30
0088	H-POS-OSD	04	00-3F	**FIX**	04
0089	AUTO-AGC-MAX	0F	00-20	**FIX**	0F
008A	SVM2-0-NTSC	05	00-07	**FIX**	05
008B	VER-AMP-START	19	00-3F	**FIX**	19
008C	OFFSET_OF_COL_DVD_FIELD_FREQ_50HZ	1F	00-3E	**FIX**	1F
008D	FDAC_SMEL	46	00-FF	**FIX**	46
008E	FDAC_SMER1_VOL	71	00-FF	**FIX**	71
008F	FDAC_SMER2_VOL	76	00-FF	**FIX**	76
0090	FDAC_SMER3_VOL	7B	00-FF	**FIX**	7B
0091	FDAC_SMER4_VOL	82	00-FF	**FIX**	82
0092	FDAC_SMER5_VOL	8A	00-FF	**FIX**	8A
0093	FDAC_SMER6_VOL	91	00-FF	**FIX**	91
0094	FDAC_S_ST_POINT	15	00-3C	**FIX**	15
0095	FDAC_S_SP_POINT	3C	00-3C	**FIX**	3C
0096	FDAC_S_STEP	07	00-3C	**FIX**	07
0097					
0098					
0099	OPTION_HOTEL_MAX_VOL	05	00-3C	**FIX**	05
009A	OPTION_HOTEL_PRG	02	01-7D	**FIX**	02
009B	SUB-VOL (64)	3A	00-3C	**FIX**	3A
009C	PRESET_EQA_100_MUSC	11	00-18	**FIX**	11
009D	PRESET_EQA_300_MUSC	11	00-18	**FIX**	11
009E	PRESET_EQA_1K_MUSC	06	00-18	**FIX**	06
009F	PRESET_EQA_3K_MUSC	0C	00-18	**FIX**	0C
00A0	PRESET_EQA_8K_MUSC	14	00-18	**FIX**	14
00A1	PRESET_EQA_100_NEWS	08	00-18	**FIX**	08
00A2	PRESET_EQA_300_NEWS	0E	00-18	**FIX**	0E
00A3	PRESET_EQA_1K_NEWS	11	00-18	**FIX**	11
00A4	PRESET_EQA_3K_NEWS	0E	00-18	**FIX**	0E
00A5	PRESET_EQA_8K_NEWS	0B	00-18	**FIX**	0B
00A6	PRESET_EQA_100_MOV	10	00-18	**FIX**	10
00A7	PRESET_EQA_300_MOV	10	00-18	**FIX**	10
00A8	PRESET_EQA_1K_MOV	12	00-18	**FIX**	12
00A9	PRESET_EQA_3K_MOV	0F	00-18	**FIX**	0F
00AA	PRESET_EQA_8K_MOV	15	00-18	**FIX**	15
00AB	NLOERLIM	64	00-FF	**FIX**	64
00AC	NUPERLIM	C8	00-FF	**FIX**	C8
00AD	DECLEV	0B	00-1F	**FIX**	0B
00AE	MONOLEV	0B	00-1F	**FIX**	0B
00AF	NICLEV	0F	00-1F	**FIX**	0F
00B0	SAPLEV	0A	00-1F	**FIX**	0A
00B1	ADCLEV	12	00-1F	**FIX**	12
00B2	IISLEV	10	00-1F	**FIX**	10
00B3	DBEADR	00	00-3F	**FIX**	00
00B4	DBECOEF	00	00-FF	**FIX**	00
00B5	DUBADR	00	00-3F	**FIX**	00
00B6	DUBCOEF	00	00-FF	**FIX**	00
00B7	BASS-CT	00	00-1F	**FIX**	00
00B8	TREB-CT	00	00-1F	**FIX**	00
00B9	FSRT_AVOUT_LEVEL	0C	00-3C	**FIX**	0C
00BA	PRESET_LOUDNESS_OFF_BASS_DOWN_MUSC	01	00-1E	**FIX**	01
00BB	PRESET_LOUDNESS_OFF_BASS_DOWN_NEWS	01	00-1E	**FIX**	01
00BC	PRESET_LOUDNESS_OFF_BASS_DOWN_MOV	01	00-1E	**FIX**	01
00BD	PRESET_LOUDNESS_OFF_TREBLE_DOWN_MUSC	01	00-1E	**FIX**	01
00BE	PRESET_LOUDNESS_OFF_TREBLE_DOWN_NEWS	01	00-1E	**FIX**	01
00BF	PRESET_LOUDNESS_OFF_TREBLE_DOWN_MOV	01	00-1E	**FIX**	01

Note: Highlighted items cannot be adjusted due fixed by software.(if adjusted it will has no effect)

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)													
ADDRESS	DATA								MICON DEFAULT	EEPROM RANGE	REMARKS	FINAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	[hex]	[hex]		DATA	
00C0	V-POS-TEXT-50HZ								26	00-3F	**FIX**	26	
00C1	H-POS-TEXT								0B	00-3F	**FIX**	0B	
00C2	V-POS-OSD (60HZ)								18	00-3F	**FIX**	18	
00C3	CUT-BS (20)								10	00-3F	**ADJ**	ADJ	
00C4	CUT-BS-DVD								20	00-3F	**FIX**	20	
00C5	TELETEXT-OSD-BRIGHTNESS								0D	00-1F	**FIX**	0D	
00C6	STARTMER1								CF	00-FF	**FIX**	CF	
00C7	STARTMER2								A9	00-FF	**FIX**	A9	
00C8	STOPMER								00	00-FF	**FIX**	00	
00C9	SMEL-GAIN								B0	00-FF	**FIX**	B0	
00CA	FDAC-VOL1								0F	00-FF	**FIX**	0F	
00CB	FDAC-VOL2								1E	00-FF	**FIX**	1E	
00CC	FDAC-VOL3								2D	00-FF	**FIX**	2D	
00CD	TUNER BAND		TUNER System				TUNER_SELECTION		22	00-A2	**FIX**	22	
00CE	OFFSET_SHARPNESS_LNA								20	00-FF	**FIX**	20	
00CF	OFFSET_OF_TINT_DVD								20	00-3C	**FIX**	20	
00D0	OFF_CON								1F	00-3C	**FIX**	1F	
00D1	OFF_BRI								1F	00-3C	**FIX**	1F	
00D2	AV2_BRI								20	00-3C	**FIX**	20	
00D3	OFFSET_TINT_N443								1F	00-3E	**FIX**	1F	
00D4	FTUN_OFFSDEM_IF								1C	00-3F	**FIX**	1C	
00D5	OFFSET_OF_TINT_DVD_FIELD_FREQ_50HZ								00	00-3F	**FIX**	00	
00D6	OFFSET_OF_TINT_DVD_FIELD_FREQ_60HZ								00	00-3F	**FIX**	00	
00D7													
00D8													
00D9													
00DA													
00DB													
00DC													

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)													
ADDRESS	DATA								MICON DEFAULT	EEPROM RANGE	REMARKS	FINAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	[hex]	[hex]		DATA	
010A													
010B													
010C													
010D													
010E													
010F													
0110													
0111													
0112													
0113													
0114													
0115													
0116													
0117													
0118													
0119													
011A													
011B													
011C													
011D													
011E	YD SECAM				YD PAL				21	00-FF	**FIX**	21	
011F	YD N443				YD N358				11	00-FF	**FIX**	11	
0120	YD AV-SECAM				YD AV-PAL				40	00-FF	**FIX**	40	
0121	YD AV-N443				YD AV-N358				00	00-FF	**FIX**	00	
0122	CL3-0				YD COMP				67	00-FF	**FIX**	67	
0123	PW-TIME				SVM2-0-PAL				35	00-37	**FIX**	35	
0124	WBR-50-F-C-P				WBF-50-F-C-P				E6	00-FF	**FIX**	E6	
0125	WBR-60-F-C-P				WBF-60-F-C-P				84	00-FF	**BUS SETUP**	D6	
0126	BLOC (35)				LOUDNESS_LDS0-2				41	00-F0	**FIX**	41	
0127	INSOEF				PWLDAC				34	00-5F	**FIX**	34	
0128	TELETEXT-BLOC				FSND_ITEM_MAINLONA				15	00-07	**FIX**	15	
0129	AVLLE				FSND_ITEM_AVLMODE				55	00-F5	**FIX**	55	
012A	FSND_ITEM_VDS				FSND_ITEM_CLIPMANAG				33	00-54	**FIX**	33	
012B	TELETEXT_50HZ_WBF				FSND_ITEM_BAMAFC				40	00-0F	**FIX**	40	
012C	TELETEXT_60HZ_WBF				TELETEXT_50HZ_WBR				4D	00-FF	**FIX**	4D	
012D	LANGUAGE_OPTION				TELETEXT_60HZ_WBR				4D	00-4F	**FIX**	4D	
012E	FSND_LOUDNESS_VOL_DB2				FSND_LOUDNESS_VOL_DB1				45	00-FF	**FIX**	45	
012F	FSND_LOUDNESS_VOL_DB4				FSND_LOUDNESS_VOL_DB3				13	00-FF	**FIX**	13	
0130					LANGUAGE_OPTION				01	00-01	**FIX**	01	LANGUAGE_OPTION: 0 = Only English available 1 = English & Spanish available
0131													
0132	COLOR TEMP (MUSIC)				FZOM_ZOOM_MODE				16	00-26	**FIX**	16	COLOR TEMP: 0 = Warm 1 = Middle 2 = Cool
0133	COLOR TEMP (MOVIE)				LANGUAGE				10	00-21	**FIX**	10	LANGUAGE: 0 = English 1 = Spanish
0134					COLOR TEMP (NEWS)				01	00-02	**FIX**	01	
0135													
0136													
0137													
0138													
0139													
013A													
013B													
013C													
013D													
013E													
013F	PEAKFREQPALN		PEAKFREQPALM		PEAKFREQPAL443		COR1-0		04	00-FC	**FIX**	04	

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)													
ADDRESS	DATA								MICON DEFAULT	EEPROM RANGE	REMARKS	FINAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	[hex]	[hex]		DATA	
0140	PEAKFREQDVD		PEAKFREQSECAM		PEAKFREQNTSCM		PEAKFREQNTSC443		D1	00-FF	**FIX**	D1	
0141	PW-LAST		AUDIO-CFG		PHI		H-POS-FINE		6D	00AF	**FIX**	6D	
0142	PRESET_WS_NEWS		PRESET_COR_NEWS		PRESET_WS_MUSC		PRESET_COR_MUSC		77	00-FF	**FIX**	77	
0143	PRESET_WS_CTM		PRESET_COR_CTM		PRESET_WS_MOV		PRESET_COR_MOV		77	00-FF	**FIX**	77	
0144	PRESET_SURROUND_NEWS		PRESET_SURROUND_MUSC		TREBLE_FREQ_SELECTION		BASS_FREQ_SELECTION		02	00-00	**FIX**	02	
0145	RPA		SOC		AAS0_1		PRESET_SURROUND_MOV		92	00-BC	**FIX**	92	
0146	FILTBW		EIAJ-DEL		FILTBW-M		RPO		00	00-FF	**FIX**	00	
0147	BASSFEATURE_CTL		IDMOD-SE		BAMAMO		OVMTHR		01	00-B3	**FIX**	01	
0148							OPTION_BASS+		03	00-03	**FIX**	03	OPTION_BASS+: 0 = Without BASS+ function 1 = With BASS+ function 2(This value is not valid) = With BASS+ and SHAKIT functions(Controlled by user item "BASS+") 3 = With LOUDNESS function (Controlled by user item "Bass+")
0149													
014A													
014B													
014C													
014D													
014E													
014F													
0150													
0151	SURROUND (NEWS)		SURROUND (MUSIC)		DIGIT ENTRY MODE				04	00-02	**FIX**	04	
0152							SURROUND (MOVIE)		56	00-58	**FIX**	56	
0153					MODE (CLOSED CAPTION)		AIR/CABLE		00	00-00	**FIX**	00	
0154													
0155													
0156													
0157													
0158													
0159													
015A													
015B													
015C													
015D	PWL	VSD (31)	VIRGIN	BPB2	FMI	MUS	PHI FORCE	DSK-NOT-PAL-AV	D2	00-C7	**FIX**	D2	
015E	DSK-NOT-PAL-DVD	DSK-PAL-DVD	DSK-PAL-AV	BKS	GAM	BSD	LCKEY-SRV-ENTER	INCL-AV	1B	00-FF	**FIX**	1B	
015F			ISP MODE (34)	AEVS_ITEM_POR	ERR-VERTG	ERR-SUPVOL	ERR-XRAY	ERR-1-8-SUP	4C	00-3F	**FIX**	4C	
0160	ID-PGAIN	ID-BYBPF	TFR	OPTION_HOTEL	LOUDNESS_HIGH_BOOST	DTR	AGN	DSG	0F	00-FF	**FIX**	0F	
0161	BAMASUB	AVLWGT	MAINLOCH	MULTI21_SYSTEM_OPTION	NICDEEM	NDETPB	FMSUB-BW	MPX-P-BW	E0	00-FF	**FIX**	E0	
0162	BILLINGUAL OPTION	YUV_OPTION	FRONTAV_OPTION	NRR	CP-TUNER	TXT-ON	TXT-WEST	TXT-EURO	68	00-F8	**FIX**	68	
0163	OPTION_MPIN	OPTION_SURROUND	OPTION_DVD	OPTION_AV2	EW_OPTION	EQ_OPTION	OPTION_LNA_BOOSTER	OPTION_SHAKIT	F4	00-FF	**FIX**	F4	
0164	OPTION_BILINGUAL	OPTION_SYSTEM(AV)	TREBLE offset EFFECT	BASS offset EFFECT	ICS (CLOSE QSS)	OPTION_AVL_OSD	CB	CBS	86	00-C7	**FIX**	86	
0165	OPTION_VOL	DSGLS_AV	DSGLS_TV	OPTION_LOUDNESS	ITEM_OVM ADAPT	FIMG_ITEMBLS	OPTION_EQ_OFFSET	OPTION SPEAKER	80	00-9F	**FIX**	80	
0166						AVL_ONOFF_OPTION	FSRT_ITEM_GD	FSND_DSGLS	07	00-07	**FIX**	07	
0167													
0168	AUTO SELECT	M.P. IN	BLUE BACK	LAST POWER	LOCK TV	AVL	SAVE MODE	PICTURE NR (MUSIC)	F4	00-7F	**FIX**	F4	BLUE BACK: 0 = On 1 = Off
0169	DAC_MODE_NTSC	DATA (CLOSED CAPTION)	PICTURE NR (NEWS)	PICTURE NR (MOVIE)	BASS+	S-BOOSTER	NICAM_A2_MODE	MAINLOUD	0D	00-71	**FIX**	0D	Note 1
016A				S-BOOSTER (NEWS)	S-BOOSTER (MUSIC)	S-BOOSTER (MOVIE)	SPEAKER	VIRGIN_BIT (NTSC)	13	00-01	**FIX**	13	Note 2
03FF	FACTORY SHIPOUT LANGUAGE (STEREO NTSC)								--	--	**BUS SETUP**	**00**	LANGUAGE: 00 = English 01 = Spanish

REMARKS

*Note 1 : Item DAC_Mode ON
: In production , when the operator plug in main power switch and press the ON/OFF Switch, the set will automatically ON. Therefore, operator need not have to press the Power On button of Remote Control key.

*Note 2 : Item Virgin_Bit OFF
: If Virgin_Bit is ON, the language selection will appear at TV screen. If OFF, language selection will not appear. Therefore, operator will not have to choose the language and able to reduce a single step.

BUS SET UP (EEPROM DATA)			
Address (HEX)	EEPROM ITEMS	Data (HEX)	REMARK
06F	OF-TINT-TV	24	FIX
070	OF-TINT-AV	2C	FIX
125	WBR-60-F-C-P / WBF-60-F-C-P	D6	FIX
3FF	FACTORY SHIPOUT LANGUAGE (STEREO NTSC)	00	**FIX** LANGUAGE: 00 = English 01 = Spanish

SHIPPING SETTING & CHECKING

(1) The following default data has been factory-set for the E2PROM follow by pressing MODEL SET key.

LANGUAGE	SOUND SYSTEM	MODEL-SET KEY
ENGLISH	M	3

ITEMS	DATA SETTING
LAST POWER	ON
LAST TV/AV MODE	TV MODE
LAST POSITION	CH 1
FLASHBACK CHANNEL	CH 1
VOLUME	0 (Min)
AV MODE	MOVIE
OFF TIMER	--:--
CHILD LOCK	OFF
PASSWORD	0000
BLUE BACK	OFF
M.P.In	ON
SKIP	ALL CH OFF
FAVORITE PROGRAM A	CH 10
FAVORITE PROGRAM B	CH 20
FAVORITE PROGRAM C	CH 30
FAVORITE PROGRAM D	CH 40
AIR/CABLE	AIR
PICTURE	60
COLOUR	+6
BRIGHT	0
TINT	0
SHARP	+6
PICTURE NR	OFF
COLOR TEMP	0
SURROUND	OFF
BALANCE	0
AVL	ON
BASS+	ON

FACTORY SETTING BY MODEL
(Reference: Geomagnetism Adjustment)

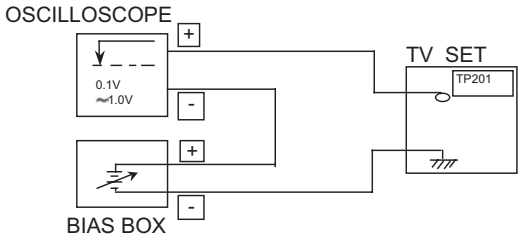
MODEL	MAGNETIC FIELD(V, H) nT		BACKGROUND	LANG.	S-SYS	LANG QTY
PHILIPPINES	10,000	39,000	15000°K	ENGLISH	M	2

1: ENGLISH / SPANISH

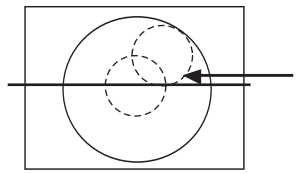
[2] ADJUSTMENT

ADJUSTMENT PRECAUTION: Makesure TV Set is in “Normal Condition” before switch to Service Mode for Adjustment.

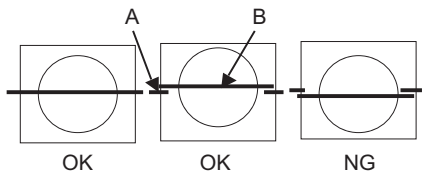
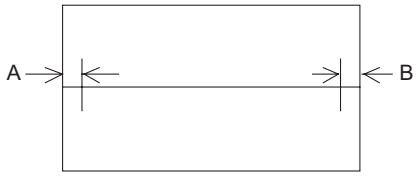
1. PIF ADJUSTMENT CHECKING

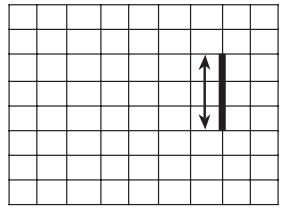
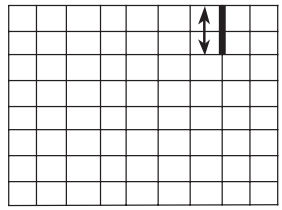
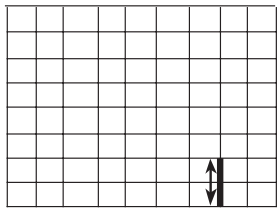
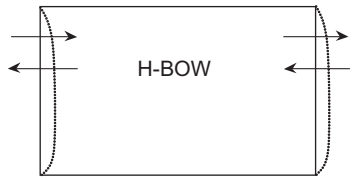
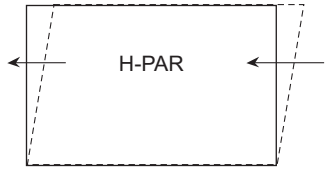
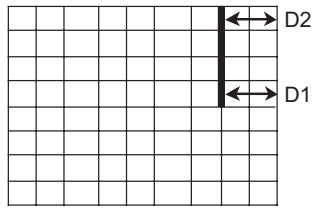
NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	RF-AGC TAKE OVER POINT ADJUSTMENT (I2C BUS CONTROL) **(AUTO & MANUAL ADJ)**	(1) Receive "PAL COLOR BAR" signal. Signal Strength: 53 ± 1dBμV (75 ohm open) (2) Connect the oscilloscope to JA402 (Tuner's AGC Terminal) as shown in figure 3-1.  (3) Call **"01 RF-AGC"** mode in service mode. Adjust the **"01RF AGC"** bus data to obtain the Tuner output pin drop 0.1~1.0V below maximum voltage. (4) Change the antenna input signal to 63 ~ 67dBμV, and make sure there is no noise. (5) Turn up the input signal to 90 ~ 95 dBμV to be sure that there is no cross modulation beat.	*** for Auto ADJ** (1) Receive "PAL COLOR BAR" signal signal strength : 53 ± 1 dBμV (75 ohm open). (2) Go to service mode. (3) Go to service data 01 RF-AGC, press R/C to operate auto key (Hex C1). Blue display with OK sign indicates the adjustment is working properly (4) If appear red display with NG sign, increase data some step and please repeat step 2. (5) Proceed step 3 & 4 in manual mode.

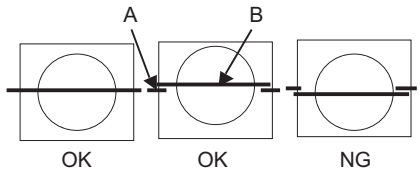
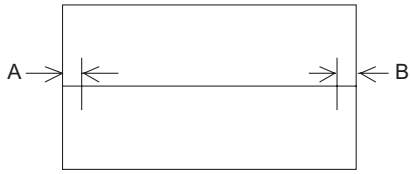
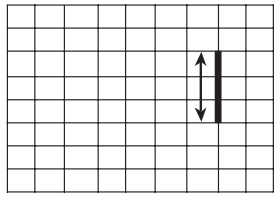
2. FOCUS ADJUSTMENT

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	FOCUS	(1) Receive the "Monoscope Pattern" signal. (2) Press R/C to set Picture NORMAL condition. (3) Adjust the focus control to get the best focusing.	 Focusing Point (middle of center and edge of monoscope pattern)

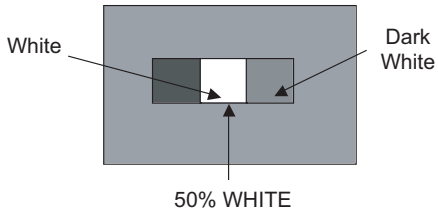
3. HORIZONTAL, VERTICAL, DEFLECTION LOOP ADJUSTMENT

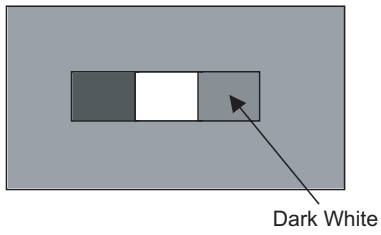
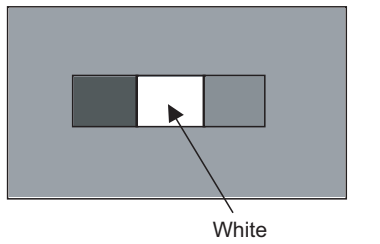
NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	V-SLOPE (I2C BUS CONTROL) **NTSC Adjustment (using RF signal)**	(1) Receive US12 CH LION HEAD Signal (NTSC 60 Hz). (2) Choose the service data **02 V-SLOPE.** (3) Adjust the V-SLOPE as shown in Figure 1.1 CAUTION:- PLEASE AGING TV MORE THAN 10 MINUTES BEFORE ADJUSTMENT.	 A = Out of spec B = OK C = Out of spec Figure 1.1
2	V-SHIFT-60 (I2C BUS CONTROL)	(1) Receive US12 CH LION HEAD Signal (NTSC 60 Hz). (2) Choose the service data **26 V-SHIFT-60** (3) Align the center of the screen to the geometric center of CRT. **Note: B line (Monoscope middle line) must same or nearest higher position to the A mark (Tube middle mark), refer to the attach drawing.**	Figure: 
3	V-AMP-60 (12C BUS CONTROL) **(to be done after V-shift adj)**	(1) Receive US12 CH LION HEAD Signal (NTSC 60 Hz). (2) Choose the service data **27 V-AMP-60** (3) Adjust **V-AMP-60** bus data until the overscan become **10 ± 1.5 %.** **Caution 1: Pls aging TV more than 10 minutes before adjustment**	
4	V-LIN (I2C BUS CONTROL)	(1) Receive US12 CH LION HEAD Signal (NTSC 60 Hz). (2) Choose the service data **13 V-LIN** (3) Already preset. (Adjust this unless the linearity is achieved.)	
5	S COR (I2C BUS CONTROL)	(1) Receive US12 CH LION HEAD Signal (NTSC 60 Hz). (2) Choose the service data **14 S COR**. (3) Already preset. (Adjust this unless the linearity is achieved.)	
6	H-SHI-60 (I2C BUS CONTROL)	(1) Receive US12 CH LION HEAD Signal (NTSC 60 Hz). (2) Choose the service data **28 H-SHI-60**. (3) Adjust the **H-SHI-60** bus data to have a balance position to spec of **A=B** (as attach drawing). (4) If cannot make it to **A=B**, adjust from the best point so that **B** slightly smaller than **A.**	

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
7	EW-W-60 (I2C BUS CONTROL)	(1) Receive US12 CH LION HEAD Signal (NTSC 60 Hz). (2) Choose the service data **29 EW-W-60.** (3) Adjust **EW-W-60** bus data until the overscan becomes **10 ± 1.5 %.**	
8	E/W-PAR-60 (I2C BUS CONTROL)	(1) Receive CrossHatch Pattern Signal (NTSC 60 Hz) (2) Choose the service data **30 E/W-W-60.** (3) Adjust the 2nd vertical line from the right end of the crosshatch pattern so that the middle 4 blocks are straight.	
9	UPCOR-PAR (I2C BUS CONTROL)	(1) Receive CrossHatch Pattern Signal (NTSC 60 Hz). (2) Choose the service data **10 UPCOR-PAR.** (3) Adjust the 2nd upper vertical line from the right end of the crosshatch pattern so that the upper line are straight.	
10	LOCOR-PAR (I2C BUS CONTROL)	(1) Receive CrossHatch Pattern Signal (NTSC 60 Hz). (2) Choose the service data **11 LOCOR-PAR.** (3) Adjust the 2nd lower vertical line from the right end of the crosshatch pattern so that the bottom line are straight.	
11	H-BOW (I2C BUS CONTROL)	(1) Receive CrossHatch Pattern Signal (NTSC 60 Hz). (2) Choose the service data **9 H-BOW.** (3) Adjust the 2nd vertical line from the end of the crosshatch pattern until line is straight (4) Please refer Figure 9.1	 Figure 9.1
12	H-PAR (I2C BUS CONTROL)	(1) Receive CrossHatch Pattern Signal (NTSC 60 Hz). (2) Choose the service data **8 H-PAR.** (3) Adjust the 2nd vertical line from the end of the crosshatch pattern line is straight (4) Please refer Figure 10.1	 Figure 10.1
13	EW-TRAP (I2C BUS CONTROL)	(1) Receive CrossHatch Pattern Signal (NTSC 60 HZ). (2) Choose the service data **12 EW-TRAP.** (3) Adjust the 2nd vertical line from the right end of the crosshatch pattern so that the D1 (center area of the second vertical line - edge of screen) and D2 (top area of the second vertical line - edge of screen) are same.	

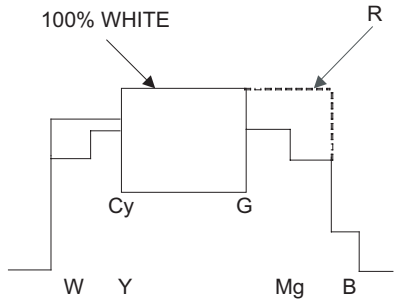
NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
14	V-SHIFT50 (I2C BUS CONTROL) **PAL Adjustment (using external signal to input AV)**	(1) Receive Monoscope Pattern Signal (PAL 50 Hz). (2) Choose the service data **03 V-SHI-50** (3) Adjust **V-SHI-50** bus data to have a most acceptable vertical position, the monoscope pattern should be **Balance** in vertical position. **Note: B line (Monoscope middle line) must same or nearest higher position to the A mark (Tube middle mark), refer to the attach drawing.**	Figure: 
15	V-AMP-50 (12C BUS CONTROL) **(to be done after V-shift adj)**	(1) Receive Monoscope Pattern Signal (PAL 50 Hz). (2) Choose the service data **04 V-AMP-50.** (3) Adjust **V-AMP-50** bus data until the overscan become **10 ± 1.5 %.** **Caution 1: Pls aging TV more than 10 minutes before adjustment**	
16	H-SHIFT-50 (I2C BUS CONTROL)	(1) Receive Monoscope Pattern Signal (PAL 50 Hz). (2) Choose the service data **05 H-SHI-50**. (3) Adjust the **H-SHI-50** bus data to have a balance position to spec of **A=B** (as attach drawing). (4) If cannot make it to **A=B**, adjust from the best point so that **B** slightly smaller than **A.**	
17	EW-W-50 (I2C BUS CONTROL)	(1) Receive Monoscope Pattern Signal (PAL 50 Hz). (2) Choose the service data **06 EW-W-50.** (3) Adjust **EW-W-50** bus data until the overscan becomes **10 ± 1.5 %.**	
18	E/W-PAR-50 (I2C BUS CONTROL)	(1) Receive CrossHatch Pattern Signal (PAL 50 Hz). (2) Choose the service data **07 E/W-PAR-50.** (3) Adjust the 2nd vertical line from the right end of the crosshatch pattern so that the middle 4 blocks are straight.	

4. SCREEN, WHITE BALANCE, SUB-BRIGHTNESS & SUB-CONTRAST ADJUSTMENT

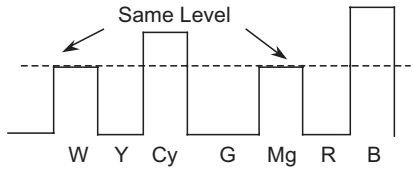
NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	SCREEN ADJUSTMENT (I2C BUS CONTROL)	(1) Make sure the following items are in INITIAL DATA before adjust CRT cutoff **(a) 15 DRI-RS = 32** **(b) 16 DRI-GS = 32** **(c) 17 DRI-BS = 32** **(d) 18 CUT-RS = 16** **(e) 19 CUT-GS = 16** **(f) 20 CUT-BS = 16** **(f) 21 SUB BRI = 24** **(g) 22 SUB CON = 59** **(h) 32 CUT OFF = 25** **(i) 35 BLOC = 4** (2) Switch TV to video mode, blue back off, with no signal and press R/C to set picture into normal condition. (3) Go to service mode, select item **31 VSD** (dark screen display) (4) Adjust the Screen so that cut-off line appear in low bright, then judge that whether the cut-off line appear in Red or Green or Blue color, in this condition between CUT-RS & CUT-GS & cut-BS, fix the data of the color appear in cut-off line and adj the other two cut-off data (Note 1) so that cut-off line color become white. (5) Turn the screen VR of FBT so that cut-off line just **disappear**	*Note: During Service Mode select 31 VSD (dark screen display), if the vertical line does not appaer please press VOL UP key.
2	WHITE BALANCE ADJ **(to be done after screen adj)** (I2C BUS CONTROL) (US-14 CH)	**(1) WHITE (HIGH BEAM)** First use Minolta Color Analyzer CA100, let the gun point at **Dark White** position (as drawing attach), Adj **SUB-BRI** until **LUMINANCE Y** become **1.5 cd/m2**, then let the gun point at **White** position (as drawing attach), Adj **SUB-CON** until **LUMINANCE Y** become: **150 cd/m2.** Adj the **DRI-RS & DRI-BS** until the axis of color temperature become **15000°K X : 0.254 , Y : 0.261** **(2) DARK WHITE (LOW BEAM)** Let the gun point at **Dark White** position, if the color temperature data shift away from the data adjusted in **Item 1 Screen adjustment,** adjust **CUT-RS, CUT GS & CUT-BS.** Please fix the **first colour appears in Screen adj item step (4) is fixed,** adj the other two so that to obtain the similar axis as above. **** Repeat step 1 & 2 to get a regulated position**	 ***Note :** Use RF window pattern US14

<table>
<tr><th>NO</th><th>ADJUSTMENT POINT</th><th>ADJUSTMENT CONDITION / PROCEDURE</th><th>WAVEFORM OR OTHERS</th></tr>
<tr><td>3</td><td>SUB-BRIGHTNESS
(to be done after screen, white balance adj)
(I2C BUS CONTROL)</td><td>(1) In Window Pattern Signal condition.
(2) Using Minolta Color Analyzer CA-100, let the gun point at Dark White position (as attach drawing), adjust SUB-BRI Bus data until:
<table><tr><th rowspan="2">Service mode</th><th rowspan="2">Luminance (cd/m2)</th><th colspan="2">Tolerance (cd/m2)</th></tr><tr><th>Upper limit</th><th>Lower limit</th></tr><tr><td>Enable</td><td>1.5</td><td>+0.5</td><td>-0.5</td></tr><tr><td>Disable</td><td>1.5</td><td>+1.5</td><td>-1.0</td></tr></table></td><td>WINDOW PATTERN SIGNAL
 
</td></tr>
<tr><td>4</td><td>SUB-CONTRAST
(to be done after screen, white balance adj, sub-brightness adj)
(I2C BUS CONTROL)</td><td>(1) In Window Pattern Signal condition.
(2) Using Minolta Color Analyzer CA-100, let the gun point at White position (as attach drawing), adjust SUB-CON Bus data until :
<table><tr><th rowspan="2">Service mode</th><th rowspan="2">Luminance (cd/m2)</th><th colspan="2">Tolerance (cd/m2)</th></tr><tr><th>Upper limit</th><th>Lower limit</th></tr><tr><td>Enable</td><td>150.0</td><td>+10</td><td>-10</td></tr><tr><td>Disable</td><td>150.0</td><td>+20</td><td>-10</td></tr></table></td><td>WINDOW PATTERN SIGNAL
 
</td></tr>
<tr><td>5</td><td>BEAM CURRENT CHECK</td><td>(1) Receive the "Monoscope Pattern" signal.
(2) Press R/C to set Picture NORMAL condition.
(3) Connect the DC miliammeter between TP 603 (+) & TP 602 (-) (Full Scale: 3mA Range).
(4) Beam current must be within : 1000 ± 100μA</td><td></td></tr>
</table>

5. NTSC CHROMA ADJUSTMENT

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	SUB COLOUR (I2C BUS CONTROL)	1. Receive the "NTSC Split Color Bar" signal 2. Make the image normal with the remote controller. 3. Connect the oscilloscope to TP47R (R863) RED-OUT. Range : 500mV/Div (AC) (Use Probe 10:1) Sweep time : 10µsec/Div 4. Set the sub color adjustment mode with the remote controller, and vary the sub color data to make 100% W of the color bar and RED at the same level for adjustment shown in Fig. 1-1. ****Remark: Please make sure use RF Signal during sub color adjustment.**	 Fig 1-1

6. NTSC CHROMA ADJUSTMENT

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	SUB-TINT (I2C BUS CONTROL) **(to be done after sub colour adj)**	(1) Receive the "NTSC 3.58 Colour Bar" signal through AV IN from IWATSU SX1006 pattern generator. (2) Connect the oscilloscope to TP47B (R865) BLUE-OUT Range : 500mV/Div (AC) (Use Probe 10:1) Sweep time : 10µsec/Div (3) Select the "SUB-TINT" item in the ADJUSTMENT MODE.. Adjust the "SUB-TINT" data to obtain the waveform shown as Figure 1.2 (W and Mg same level) ****Remark: Please make sure use RF Signal during sub color adjustment.**	 Fig 1-2

7. PROTECTOR OPERATION CHECKING

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	H, V PROTECTOR	(1) Receive "Monoscope Pattern" signal. (2) Connect output of Bias Box to **D602** cathode (C602 positive). (3) Set voltage of Bias Box to **18V** and make sure the protector is not working. (4) Set voltage of Bias Box to **28.5V**. The tv will four times in "ON" and "OFF"condition before the protector ON and switch to standby mode.	
2	OTHER PROTECTOR	(1) Once finish rectified Electrolytic Capacitor short testing in + B line, check all possible damaged components on +B line. (Use random selected set for inspection)	

8. A/V INPUT & OUTPUT CHECKING

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	VIDEO AND AUDIO OUTPUT CHECK	(1) Receive the "US 10 CH HALF Color Bar" signal. (2) Terminate the Video output with a 75 ohm impedance. (At signal is standard Color Bar Y/C=1/1, 87.5% Mod.) Make sure the output is as specified **(1.0 Vp-p ± 3 dB).** (3) Terminate the Audio output with a 47K ohm impedance. (400 Hz 100% Mod. 47kW, VOL Max.) Make sure the O/ P is as specified **(1.2 Vp-p ± 3 dB).**	
2	VIDEO AND AUDIO INPUT CHECK	(1) Using the INPUT key on the remote controller, make sure that the modes change in order of TV, INPUT1, INPUT2 & TV again and the video & audio output are according to the input terminal for each mode. (2) Video cross-talk INPUT to TV checking: a) When connect INPUT1 input, check TV also b) When connect INPUT2 input, check TV also	**Caution:** INPUT1 share with YUV. Therefore, if YUV signal is connected to Component In terminal, only component is will detected.
3	COMPONENT IN CHECK	(1) Connect YUV & Audio signal to Component In terminal and Audio terminal. (2) Using the INPUT key on the remote controller, press it until the modes change to COMPONENT, confirm output is appear. (3) Audio source is share with INPUT1	

9. FUNCTION OPERATION CHECKING (VIDEO & AUDIO)

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	PICTURE Key	(1) Receive "US 4 CH LION HEAD Signal (NTSC 60 Hz)" signal. (2) Press to Menu mode, then select Picture Mode and set to select CONTRAST. (3) Press Volume Up/Down key to check whether the CONTRAST effect is OK or not.	
2	COLOUR Key	(1) Receive "US 10 CH HALF Colour Bar" signal. (2) Press to Menu mode, then select Picture Mode and set to select COLOUR. (3) Press Volume Up/Down key to check whether the COLOUR effect is OK or not.	
3	BRIGHTNESS Key	(1) Receive "US 4 CH LION HEAD Signal (NTSC 60 Hz)" signal. (2) Press to Menu mode, then select Picture Mode and set to select BRIGHTNESS. (3) Press Volume Up/Down key to check whether the BRIGHTNESS effect is OK or not.	
4	TINT Key	(1) Receive "US 10 CH HALF Colour Bar" signal. (2) Press to Menu mode, then select Picture Mode and select TINT. (3) Press Volume Up/Down key to check TINT, UP for GREEN direction and DOWN for RED direction whether is OK or not.	
5	SHARPNESS Key	(1) Receive "US 4 CH LION HEAD Signal (NTSC 60 Hz)" signal. (2) Press to Menu mode, then select Picture Mode and set to select SHARPNESS. (3) Press Volume Up/Down key to check whether the SHARPNESS effect is OK or NOT.	
6	CH DISPLAY COLOUR	(1) All Ch (1~69) will have an OSD display of the channel number in blue colour under AFT ON condition.	
7	SURROUND	(1) Receive "music" sound signal. (2) Set MENU, then go into SOUND MENU to select SURROUND. (3) Press VOLUME UP/DOWN key to check SURROUND effect.	***Note:** 1)If SURROUND ESS or EPS, balance function cannot be adjust. 2) If receiving stereo audio, surround mode can be set OFF or ESS. 3) If receiving MONO audio, surround mode can be set OFF or ESS.
8	BALANCE	(1) Receive mono-tone signal. (2) Set MENU, then go into SOUND MENU to select BALANCE. (3) Press VOLUME UP/DOWN key to check whether the left to right BALANCE effect is OK or not.	***Note:** Please make sure SURROUND is set to OFF. If SURROUND ON (ESS or EPS), Balance function cannot be adjust.
9	BASS+	(1) Receive "music" sound signal. (2) Set MENU, then go into SOUND MENU to select BASS+. (3) Press VOLUME UP/DOWN key to check BASS+ effect is OK or not.	
10	EQUALIZER	(1) Receive "music" sound signal. (2) Set MENU, then go into SOUND MENU to select EQUALIZER. (3) Press VOLUME UP/DOWN key to check EQUALIZER effect is OK or not.	

<table>
<tr><th>NO</th><th>ADJUSTMENT POINT</th><th>ADJUSTMENT CONDITION / PROCEDURE</th><th>WAVEFORM OR OTHERS</th></tr>
<tr>
<td>11</td>
<td>RESET Key</td>
<td>
(1) Once in Picture Mode,and the RESET key is pressed, all the settings will be present to normal setting. (Normal setting of selected AV mode)

<u>MOVIE MODE</u>
PICTURE 60
COLOUR +6
BRIGHTNESS 0
TINT 0
SHARPNESS +6
COLOR TEMP Mid

<u>MUSIC MODE</u>
PICTURE 60
COLOUR 0
BRIGHTNESS 0
TINT 0
SHARPNESS 0
COLOR TEMP Mid

<u>NEWS MODE</u>
PICTURE 50
COLOUR -6
BRIGHTNESS 0
TINT 0
SHARPNESS -6
WHITE TEMP Mid

(2) Once in Audio Menu,and the NORMAL key is pressed, all the settings will be present to normal setting (Normal setting of the selected AV mode)

<u>MOVIE MODE</u>
SURROUND OFF
BALANCE 0
AVL ON
BASS+ ON

<u>MUSIC MODE</u>
SURROUND OFF
BALANCE 0
AVL ON
BASS+ ON

<u>NEWS MODE</u>
SURROUND OFF
BALANCE 0
AVL ON
BASS+ ON

(3) Once Equalizer Menu and NORMAL key is pressed, all the settings will be present to normal setting (Normal setting of the selected AV mode).
*Bar indicator display 0~24

<u>MOVIE MODE</u>
100 16
300 16
1K 18
3K 15
8K 21

<u>MUSIC MODE</u>
100 17
300 17
1K 6
3K 12
8K 20

<u>NEWS MODE</u>
100 8
300 14
1K 17
3K 14
8K 11
</td>
<td>
Note 1:
In Reset Mode, when press RESET key, will appear RESET OSD and all setting will set to normal of the AV mode selected.
</td>
</tr>
</table>

<table>
<tr><th>NO</th><th>ADJUSTMENT POINT</th><th>ADJUSTMENT CONDITION / PROCEDURE</th><th>WAVEFORM OR REMARKS</th></tr>
<tr><td>12</td><td>COLOR TEMP</td><td>(1) Receive US 4 CH LION Signal (NTSC 60 Hz).
(2) Set FUNCTION to select WHITE TEMP.
(3) Press Volume Up/Down key to check WHITE TEMP Option, STANDARD: NORMAL SETTING, WARM for more REDDISH direction changing, COOL for more BLUISH direction changing.</td><td></td></tr>
<tr><td>13</td><td>COLOUR SYSTEM</td><td>(1) Receive the "NTSC COLOUR BAR" signal, press the COLOUR SYSTEM key (at signal generator) to select modes except NTSC, check the COLOUR is not working properly. Then, select the "NTSC" mode. Check again its colour so that it is working properly.</td><td></td></tr>
<tr><td>14</td><td>SOUND SYSTEM</td><td>(1) Receive "NTSC M" signal, press the SOUND SYSTEM key (at signal generator) to select B/G, I, D/K. Check the sound output is not working properly. Select M and check the sound output to make sure it is working properly.</td><td></td></tr>
<tr><td>15</td><td>M.P-IN CHECKING</td><td>(1) Turn up the volume control to maximum, make sure the sound is heard from speakers.
(2) Make sure M.P-IN feature is set to ON.
(3) Plug in stereo cable in M.P-IN terminal.
(4) 'M.P-IN' OSD will appear at bottom right corner TV screen, RF channel sound will be switched to M.P-IN sound.
(5) Check the sound is normal.</td><td>*Note:
For model with M.P-IN feature</td></tr>
<tr><td>16</td><td>NOISE MUTE CHECKING</td><td>(1) Receive mono-tone signal.
(2) Turn up the volume control to maximum, make sure the sound is heard from the speakers. Then put the unit in no signal state.
(3) Check the sound mute is effective.
(4) Finally turn sound level of CTV to minimum.</td><td></td></tr>
<tr><td>17</td><td>OSD LANGUAGE QUANTITY CHECK</td><td>(1) Check OSD LANGUAGE quantity and type for respective model.
<table>
<tr><th>MODEL</th><th>QUANTITY</th><th>ENGLISH</th><th>SPANISH</th></tr>
<tr><td>21V-FS700S</td><td>2</td><td>O</td><td>O</td></tr>
</table>
</td><td></td></tr>
<tr><td>18</td><td>MTS CHECKING</td><td>(1) Receive stereo channel.
(2) Press R/C "MTS" button, and the sound will change from STEREO to SAP to MONO.
(3) Check the sound to make sure it is working accordingly.</td><td></td></tr>
<tr><td>19</td><td>CLOSED CAPTION CHECKING</td><td>(1) Receive closed caption channel.
(2) Press R/C "CC" button, and it will change from OFF to CC1 to CC2 to TEXT1 to TEXT2.
(3) Check the closed caption to make sure it is working accordingly.</td><td></td></tr>
</table>

10. SHOCK TEST CHECKING

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	SHOCK TEST	(1) Hit at the top of TV set for two time. (2) Check TV set not damage and TV operation operate correctly.	

CHAPTER 4. MEMORY MAP

[1] MEMORY MAP

EEPROM CHECK DATA LIST 1

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS (HEX)	DATA D7	D6	D5	D4	D3	D2	D1	D0	MICON DEFAULT[hex]	EEPROM RANGE[hex]	EEPROM WRITE(CPU)	CHASSIS CHECK DATA	CHASSIS CHECK TYPE	CTV FINAL CHECK DATA	CTV FINAL CHECK TYPE	LAST INITIAL SETTING DATA	REMARK
0000	LOCKING PASSWORD								0000	0000-270F							
0001																	
0002	PACKAGE NUMBER (MSB)								03	00-FF							
0003	PACKAGE NUMBER (LSB)								1F	00-FF							
0004																	
0005																	
0006																	
0007																	
0008	RF-AGC (01)								17	00-3F							
0009	V-SLOPE (02)								1C	00-3F							
000A	V-SHI-50 (03)								21	00-3F							
000B	V-AMP-50 (04)								1C	00-3F							
000C	H-SHI-50 (05)								26	00-3F							
000D	EW-W-50 (06)								30	00-3F							
000E	E/W-PAR-50 (07)								2A	00-3F							
000F	H-PAR (08)								1E	00-3F							
0010	H-BOW (09)								1E	00-3F							
0011	UPCOR-PAR (10)								2A	00-3F							
0012	LOCOR-PAR (11)								2C	00-3F							
0013	E/W-TRAP (12)								1E	00-3F							
0014	V-LIN (13)								20	00-3F							
0015	S-COR (14)								20	00-3F							
0016	DRI-RS (15)								20	00-3F							
0017	DRI-GS (16)								20	00-3F							
0018	DRI-BS (17)								20	00-3F							
0019	CUT-RS (18)								10	00-3F							
001A	CUT-GS (19)								10	00-3F							
001B	SUB-BRI (21)								18	00-3F							
001C	SUB-CON (22)								3B	00-3F							
001D	SUB-COL (23)								0A	00-3F							
001E	SUB-TINT (24)								24	00-3F							
001F	SUB-SHARP (25)								0A	00-3F							
0020	DRI-RS-DVD								21	00-3F							
0021	DRI-GS-DVD								20	00-3F							
0022	DRI-BS-DVD								21	00-3F							
0023	CUT-RS-DVD								21	00-3F							
0024	CUT-GS-DVD								29	00-3F							
0025	SUB-BRI-DVD								1C	00-3F							
0026	SUB-CON-DVD								1F	00-3F							
0027	SUB-TINT-DVD								27	00-3F							
0028	DRI-RC								1F	00-3F							
0029	DRI-GC								20	00-3F							
002A	DRI-BC								28	00-3F							
002B	CUT-RC								20	00-3F							
002C	CUT-GC								20	00-3F							
002D	DRI-RW								22	00-3F							
002E	DRI-GW								20	00-3F							
002F	DRI-BW								1D	00-3F							
0030	CUT-RW								20	00-3F							
0031	CUT-GW								20	00-3F							
0032	DRI-RC-DVD								1F	00-3F							
0033	DRI-GC-DVD								20	00-3F							
0034	DRI-BC-DVD								28	00-3F							
0035	CUT-RC-DVD								20	00-3F							
0036	CUT-GC-DVD								20	00-3F							
0037	DRI-RW-DVD								22	00-3F							
0038	DRI-GW-DVD								20	00-3F							
0039	DRI-BW-DVD								1D	00-3F							
003A	CUT-RW-DVD								20	00-3F							
003B	CUT-GW-DVD								20	00-3F							
003C	VER-SHI-P50								27	00-3F							
003D	VER-AMP-P50								23	00-3F							
003E	H0R-SHI-P50								1F	00-3F							
003F	EW-W-P50								0B	00-3F							

MODEL
IXC450WJZZQ
LETTER NO.

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 2

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT(hex)	RANGE(hex)	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0040	E/W-PAR-P50								20	00-3F							
0041	V-SHI-60 (26)								21	00-3F							
0042	V-AMP-60 (27)								1C	00-3F							
0043	H-SHI-60 (28)								2D	00-3F							
0044	EW-W-60 (29)								30	00-3F							
0045	E/W-PAR-60 (30)								2A	00-3F							
0046	VER-SHI-P60								24	00-3F							
0047	VER-AMP-P60								25	00-3F							
0048	H0R-SHI-P60								25	00-3F							
0049	EW-W-P60								0A	00-3F							
004A	E/W-PAR-P60								1E	00-3F							
004B	CUT OFF (32)								19	00-3F							
004C	DCXO (33)								32	00-04							
004D	DRI-RLC								20	00-3F							
004E	DRI-GLC								20	00-3F							
004F	DRI-BLC								20	00-3F							
0050	CUT-RLC								20	00-3F							
0051	CUT-GLC								20	00-3F							
0052	DRI-RLW								20	00-3F							
0053	DRI-GLW								20	00-3F							
0054	DRI-BLW								20	00-3F							
0055	CUT-RLW								20	00-3F							
0056	CUT-GLW								20	00-3F							
0057	DRI-RLC-DVD								1F	00-3F							
0058	DRI-GLC-DVD								20	00-3F							
0059	DRI-BLC-DVD								24	00-3F							
005A	CUT-RLC-DVD								20	00-3F							
005B	CUT-GLC-DVD								20	00-3F							
005C	DRI-RLW-DVD								21	00-3F							
005D	DRI-GLW-DVD								20	00-3F							
005E	DRI-BLW-DVD								1F	00-3F							
005F	CUT-RLW-DVD								20	00-3F							
0060	CUT-GLW-DVD								20	00-3F							
0061	OF-COL-TV								1E	00-3E							
0062	OF-COL-AV								1E	00-3E							
0063	OF-COL-DVD								1E	00-3E							
0064	OF-COL-P								28	00-3E							
0065	OF-COL-S								24	00-3E							
0066	OF-COL-N4								27	00-3E							
0067	OF-COL-N3								27	00-3E							
0068	OF-SHP-TV								21	00-3E							
0069	OF-SHP-AV								1D	00-3E							
006A	OF-SHP-DVD								2B	00-3E							
006B	OF-SHP-P								23	00-3E							
006C	OF-SHP-S								1F	00-3E							
006D	OF-SHP-N4								1F	00-3E							
006E	OF-SHP-N3								28	00-3E							
006F	OF-TINT-TV								27	00-3E							
0070	OF-TINT-AV								2F	00-3E							
0071	OFFSET_OF_COL_DVD_FIELD_FREQ_60HZ								1F	00-3E							
0072	OF-TINT-ADJ								1F	00-3E							
0073	BB-TINT								20	00-3F							
0074	U-BASS_MUSC								0D	00-3C							
0075	U-BASS_NEWS								0D	00-3C							
0076	U-BASS_MOV								0D	00-3C							
0077	U-TREBLE_MUSC								12	00-3C							
0078	U-TREBLE_NEWS								12	00-3C							
0079	U-TREBLE_MOV								12	00-3C							
007A	U-BRI-MUSC								1E	00-3E							
007B	U-BRI-NEWS								1E	00-3E							
007C	U-BRI-MOV								1E	00-3E							
007D	U-COL-MUSC								1E	00-3E							
007E	U-COL-NEWS								18	00-3E							
007F	U-COL-MOV								24	00-3E							

MODEL
IXC450WJZZQ
LETTER NO.

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 3

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	REMARK
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT(hex)	RANGE(hex)	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	
0080	U-CON-MUSC								3C	00-3C							
0081	U-CON-NEWS								32	00-3C							
0082	U-CON-MOV								3C	00-3C							
0083	U-SHP-MUSC								1E	00-3E							
0084	U-SHP-NEWS								18	00-3E							
0085	U-SHP-MOV								24	00-3E							
0086	OSD-BRIGHTNESS								16	00-1F							
0087	V-POS-OSD (50HZ)								30	00-3F							
0088	H-POS-OSD								04	00-3F							
0089	AUTO-AGC-MAX								0F	00-20							
008A	SVM2-0-NTSC								05	00-07							
008B	VER-AMP-START								19	00-3F							
008C	OFFSET OF COL DVD FIELD FREQ 50HZ								1F	00-3E							
008D	FDAC SMEL								46	00-FF							
008E	FDAC SMER1 VOL								71	00-FF							
008F	FDAC SMER2 VOL								76	00-FF							
0090	FDAC SMER3 VOL								7B	00-FF							
0091	FDAC SMER4 VOL								82	00-FF							
0092	FDAC SMER5 VOL								8A	00-FF							
0093	FDAC SMER6 VOL								91	00-FF							
0094	FDAC S ST POINT								15	00-3C							
0095	FDAC S SP POINT								3C	00-3C							
0096	FDAC S STEP								07	00-3C							
0097																	
0098																	
0099	OPTION HOTEL MAX VOL								05	00-3C							
009A	OPTION_HOTEL_PRG								02	01-7D							**Caution:** If AIR/CABLE setting is AIR, the range is limited to (02-45)hex.
009B	SUB-VOL (64)								3A	00-3C							
009C	PRESET EQA 100 MUSC								11	00-18							
009D	PRESET EQA 300 MUSC								11	00-18							
009E	PRESET EQA 1K MUSC								06	00-18							
009F	PRESET EQA 3K MUSC								0C	00-18							
00A0	PRESET EQA 8K MUSC								14	00-18							
00A1	PRESET EQA 100 NEWS								08	00-18							
00A2	PRESET EQA 300 NEWS								0E	00-18							
00A3	PRESET EQA 1K NEWS								11	00-18							
00A4	PRESET EQA 3K NEWS								0E	00-18							
00A5	PRESET EQA 8K NEWS								0B	00-18							
00A6	PRESET EQA 100 MOV								10	00-18							
00A7	PRESET EQA 300 MOV								10	00-18							
00A8	PRESET EQA 1K MOV								12	00-18							
00A9	PRESET EQA 3K MOV								0F	00-18							
00AA	PRESET EQA 8K MOV								15	00-18							
00AB	NLOERLIM								64	00-FF							
00AC	NUPERLIM								C8	00-FF							
00AD	DECLEV								0B	00-1F							
00AE	MONOLEV								0B	00-1F							
00AF	NICLEV								0F	00-1F							
00B0	SAPLEV								0A	00-1F							
00B1	ADCLEV								12	00-1F							
00B2	IISLEV								10	00-1F							
00B3	DBEADR								00	00-3F							
00B4	DBECOEF								00	00-FF							
00B5	DUBADR								00	00-3F							
00B6	DUBCOEF								00	00-FF							
00B7	BASS-CT								00	00-1F							
00B8	TREB-CT								00	00-1F							
00B9	FSRT AVOUT LEVEL								0C	00-3C							
00BA	PRESET LOUDNESS OFF BASS DOWN MUSC								01	00-1E							
00BB	PRESET LOUDNESS OFF BASS DOWN NEWS								01	00-1E							
00BC	PRESET LOUDNESS OFF BASS DOWN MOV								01	00-1E							
00BD	PRESET LOUDNESS OFF TREBLE DOWN MUSC								01	00-1E							
00BE	PRESET LOUDNESS OFF TREBLE DOWN NEWS								01	00-1E							
00BF	PRESET LOUDNESS OFF TREBLE DOWN MOV								01	00-1E							

MODEL	
IXC450WJZZQ	
LETTER NO.	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 4

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
00C0	V-POS-TEXT-50HZ								26	00-3F							
00C1	H-POS-TEXT								0B	00-3F							
00C2	V-POS-OSD (60HZ)								18	00-3F							
00C3	CUT-BS (20)								10	00-3F							
00C4	CUT-BS-DVD								20	00-3F							
00C5	TELETEXT-OSD-BRIGHTNESS								0D	00-1F							
00C6	STARTMER1								CF	00-FF							
00C7	STARTMER2								A9	00-FF							
00C8	STOPMER								00	00-FF							
00C9	SMEL-GAIN								B0	00-FF							
00CA	FDAC-VOL1								0F	00-FF							
00CB	FDAC-VOL2								1E	00-FF							
00CC	FDAC-VOL3								2D	00-FF							
00CD	TUNER BAND		TUNER System				TUNER_SELECTION		22	00-A2							
00CE	OFFSET_SHARPNESS_LNA								20	00-FF							
00CF	OFFSET_OF_TINT_DVD								20	00-3C							
00D0	OFF_CON								1F	00-3C							
00D1	OFF_BRI								1F	00-3C							
00D2	AV2_BRI								20	00-3C							
00D3	OFFSET_TINT_N443								1F	00-3E							
00D4	FTUN_OFFSDEM_IF								1C	00-3F							
00D5	OFFSET_OF_TINT_DVD_FIELD_FREQ_50HZ								00	00-3F							
00D6	OFFSET_OF_TINT_DVD_FIELD_FREQ_60HZ								00	00-3F							
00D7																	
00D8																	
00D9																	
00DA																	
00DB																	
00DC																	
00DD	PICTURE (MUSIC)								3C	00-3C							
00DE	COLOR (MUSIC)								1E	00-3C							
00DF	BRIGHT (MUSIC)								1E	00-3C							
00E0	TINT (MUSIC)								1E	00-3C							
00E1	SHARP (MUSIC)								1E	00-3C							
00E2	BASS (MUSIC)								17	00-14							
00E3	TREBLE (MUSIC)								12	00-14							
00E4	PICTURE (NEWS)								32	00-3C							
00E5	COLOR (NEWS)								18	00-3C							
00E6	BRIGHT (NEWS)								1E	00-3C							
00E7	TINT (NEWS)								1E	00-3C							
00E8	SHARP (NEWS)								18	00-3C							
00E9	BASS (NEWS)								13	00-14							
00EA	TREBLE (NEWS)								10	00-14							
00EB	PICTURE (MOVIE)								3C	00-3C							
00EC	COLOR (MOVIE)								24	00-3C							
00ED	BRIGHT (MOVIE)								1E	00-3C							
00EE	TINT (MOVIE)								1E	00-3C							
00EF	SHARP (MOVIE)								24	00-3C							
00F0	BASS (MOVIE)								15	00-14							
00F1	TREBLE (MOVIE)								11	00-14							
00F2	VOLUME								00	00-3C							
00F3	BALANCE								1E	00-3C							
00F4	LAST PROGRAM								02	01-80							
00F5	APRV_FAVOURITE_KEY_RED								0A	01-80							
00F6	APRV_FAVOURITE_KEY_GREEN								14	01-80							
00F7	APRV_FAVOURITE_KEY_YELLOW								1E	01-80							
00F8	APRV_FAVOURITE_KEY_CYAN								28	01-80							
00F9	FSND_EQA_100_MUSC								15	00-18							
00FA	FSND_EQA_300_MUSC								12	00-18							
00FB	FSND_EQA_1K_MUSC								06	00-18							
00FC	FSND_EQA_3K_MUSC								0B	00-18							
00FD	FSND_EQA_8K_MUSC								15	00-18							
00FE	FSND_EQA_100_NEWS								0F	00-18							
00FF	FSND_EQA_300_NEWS								11	00-18							

MODEL
IXC450WJZZQ
LETTER NO.

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 5

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS (HEX)	DATA D7	D6	D5	D4	D3	D2	D1	D0	MICON DEFAULT(hex)	EEPROM RANGE(hex)	EEPROM WRITE(CPU)	CHASSIS CHECK DATA	CHASSIS CHECK TYPE	CTV FINAL CHECK DATA	CTV FINAL CHECK TYPE	LAST INITIAL SETTING DATA	REMARK
0100	FSND_EQA_1K_NEWS								14	00-18							
0101	FSND_EQA_3K_NEWS								10	00-18							
0102	FSND_EQA_8K_NEWS								0B	00-18							
0103	FSND_EQA_100_MOV								15	00-18							
0104	FSND_EQA_300_MOV								10	00-18							
0105	FSND_EQA_1K_MOV								13	00-18							
0106	FSND_EQA_3K_MOV								10	00-18							
0107	FSND_EQA_8K_MOV								15	00-18							
0108	APRV_USER_FE_PROGRAM								02	01-7D							
0109	APRV_USER_AV_PROGRAM								64	7E-80							
010A																	
010B																	
010C																	
010D																	
010E																	
010F																	
0110																	
0111																	
0112																	
0113																	
0114																	
0115																	
0116																	
0117																	
0118																	
0119																	
011A																	
011B																	
011C																	
011D																	
011E	YD SECAM				YD PAL				21	00-FF							
011F	YD N443				YD N358				11	00-FF							
0120	YD AV-SECAM				YD AV-PAL				40	00-FF							
0121	YD AV-N443				YD AV-N358				00	00-FF							
0122	CL3-0				YD COMP				67	00-FF							
0123	PW-TIME				SVM2-0-PAL				35	00-37							
0124	WBR-50-F-C-P				WBF-50-F-C-P				E6	00-FF							
0125	WBR-60-F-C-P				WBF-60-F-C-P				84	00-FF							
0126	BLOC (35)				LOUDNESS_LDS0-2				41	00-F0							
0127	INSOEF				PWLDAC				34	00-5F							
0128	TELETEXT-BLOC				FSND_ITEM_MAINLONA				15	00-07							
0129	AVLLE				FSND_ITEM_AVLMODE				55	00-F5							
012A	FSND_ITEM_VDS				FSND_ITEM_CLIPMANAG				33	00-54							
012B	TELETEXT_50HZ_WBF				FSND_ITEM_BAMAFC				40	00-0F							
012C	TELETEXT_60HZ_WBF				TELETEXT_50HZ_WBR				4D	00-FF							
012D	LANGUAGE_OPTION				TELETEXT_60HZ_WBR				4D	00-4F							
012E	FSND_LOUDNESS_VOL_DB2				FSND_LOUDNESS_VOL_DB1				45	00-FF							
012F	FSND_LOUDNESS_VOL_DB4				FSND_LOUDNESS_VOL_DB3				13	00-FF							
0130					LANGUAGE_OPTION				01	00-01							LANGUAGE_OPTION: 0 = Only English available 1 = English & Spanish available
0131																	
0132	COLOR TEMP (MUSIC)				FZOM_ZOOM_MODE				16	00-26							COLOR TEMP: 0 = Warm 1 = Middle 2 = Cool
0133	COLOR TEMP (MOVIE)				LANGUAGE				10	00-21							LANGUAGE: 0 = English 1 = Spanish
0134					COLOR TEMP (NEWS)				01	00-02							
0135																	
0136																	
0137																	
0138																	
0139																	
013A																	
013B																	
013C																	
013D																	
013E																	
013F	PEAKFREQPALN		PEAKFREQPALM		PEAKFREQPAL443		COR1-0		04	00-FC							
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 6

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	REMARK
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	
0140	PEAKFREQDVD		PEAKFREQSECAM		PEAKFREQNTSCM		PEAKFREQNTSC443		D1	00-FF							
0141	PW-LAST		AUDIO-CFG		PHI		H-POS-FINE		6D	00AF							
0142	PRESET_WS_NEWS		PRESET_COR_NEWS		PRESET_WS_MUSC		PRESET_COR_MUSC		77	00-FF							
0143	PRESET_WS_CTM		PRESET_COR_CTM		PRESET_WS_MOV		PRESET_COR_MOV		77	00-FF							
0144	PRESET_SURROUND_NEWS		PRESET_SURROUND_MUSC		TREBLE_FREQ_SELECTION		BASS_FREQ_SELECTION		02	00-00							
0145	RPA		SOC		AAS0_1		PRESET_SURROUND_MOV		92	00-BC							
0146	FILTBW		EIAJ-DEL		FILTBW-M		RPO		00	00-FF							
0147	BASSFEATURE_CTL		IDMOD-SE		BAMAMO		OVMTHR		01	00-B3							
0148							OPTION_BASS+		03	00-03							OPTION_BASS+: 0 = Without BASS+ function 1 = With BASS+ function 2 = With BASS+ and SHAKIT functions(Controlled by user item "BASS+") 3 = With LOUDNESS function(Controlled by user item "BASS+")
0149																	
014A																	
014B																	
014C																	
014D																	
014E																	
014F																	
0150																	
0151	SURROUND (NEWS)		SURROUND (MUSIC)		DIGIT ENTRY MODE		AV MODE		04	00-02							
0152	SURROUND (M.P. IN)		SURROUND (MONO)		SURROUND (STEREO)		SURROUND (MOVIE)		56	00-58							
0153					MODE (CLOSED CAPTION)		AIR/CABLE		00	00-00							
0154																	
0155																	
0156																	
0157																	
0158																	
0159																	
015A																	
015B																	
015C																	
015D	PWL	VSD (31)	VIRGIN	BPB2	FMI	MUS	PHI FORCE	DSK-NOT-PAL-AV	D2	00-C7							
015E	DSK-NOT-PAL-DVD	DSK-PAL-DVD	DSK-PAL-AV	BKS	GAM	BSD	LCKEY-SRV-ENTER	INCL-AV	1B	00-FF							
015F			ISP MODE (34)	AEVS_ITEM_POR	ERR-VERTG	ERR-SUPVOL	ERR-XRAY	ERR-1-8-SUP	4C	00-3F							
0160	ID-PGAIN	ID-BYBPF	TFR	OPTION_HOTEL	LOUDNESS_HIGH_BOOST	DTR	AGN	DSG	0F	00-FF							
0161	BAMASUB	AVLWGT	MAINLOCH	MULTI21_SYSTEM_OPTION	NICDEEM	NDETPB	FMSUB-BW	MPX-P-BW	E0	00-FF							
0162	BILLINGUAL_OPTION	YUV_OPTION	FRONTAV_OPTION	NRR	CP-TUNER	TXT-ON	TXT-WEST	TXT-EURO	68	00-F8							
0163	OPTION_MPIN	OPTION_SURROUND	OPTION_DVD	OPTION_AV2	EW_OPTION	EQ_OPTION	OPTION_LNA_BOOSTER	OPTION_SHAKIT	F4	00-FF							
0164	OPTION_BILINGUAL	OPTION_SYSTEM(AV)	TREBLE offset EFFECT	BASS offset EFFECT	ICS (CLOSE OSS)	OPTION_AVL_OSD	CB	CBS	86	00-C7							
0165	OPTION_VOL	DSGLS_AV	DSGLS_TV	OPTION_LOUDNESS	ITEM_OVM ADAPT	FIMG_ITEM_BLS	OPTION_EQ_OFFSET	OPTION SPEAKER	80	00-9F							
0166			SBOOSTER_NEWS_DEF	SBOOSTER_MUSIC_DEF	SBOOSTER_MOVIE_DEF	AVL_ONOFF_OPTION	FSRT_ITEM_GD	FSND_DSGLS	07	00-07							
0167																	
0168	AUTO SELECT	M.P. IN	BLUE BACK	LAST POWER	LOCK TV	AVL	SAVE MODE	PICTURE NR (MUSIC)	F4	00-7F							BLUE BACK: 0 = On 1 = Off
0169	DAC_MODE_NTSC	DATA (CLOSED CAPTION)	PICTURE NR (NEWS)	PICTURE NR (MOVIE)	BASS+	S-BOOSTER	NICAM_A2_MODE	MAINLOUD	0D	00-71							
016A				S-BOOSTER (NEWS)	S-BOOSTER (MUSIC)	S-BOOSTER (MOVIE)	SPEAKER	VIRGIN_BIT (NTSC)	13	00-01							
016B																	
016C																	
016D																	
016E																	
016F																	
0170	MTS-AIR-CH03								00	00-FF							
0171	MTS-AIR-CH02								00	00-FF							
0172	MTS-AIR-CH05								00	00-FF							
0173	MTS-AIR-CH04								00	00-FF							
0174	MTS-AIR-CH07								00	00-FF							
0175	MTS-AIR-CH06								00	00-FF							
0176	MTS-AIR-CH09								00	00-FF							
0177	MTS-AIR-CH08								00	00-FF							
0178	MTS-AIR-CH11								00	00-FF							
0179	MTS-AIR-CH10								00	00-FF							
017A	MTS-AIR-CH13								00	00-FF							
017B	MTS-AIR-CH12								00	00-FF							
017C	MTS-AIR-CH15								00	00-FF							
017D	MTS-AIR-CH14								00	00-FF							
017E	MTS-AIR-CH17								00	00-FF							
017F	MTS-AIR-CH16								00	00-FF							
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 7

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	REMARK
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	
0180	MTS-AIR-CH19								00	00-FF							
0181	MTS-AIR-CH18								00	00-FF							
0182	MTS-AIR-CH21								00	00-FF							
0183	MTS-AIR-CH20								00	00-FF							
0184	MTS-AIR-CH23								00	00-FF							
0185	MTS-AIR-CH22								00	00-FF							
0186	MTS-AIR-CH25								00	00-FF							
0187	MTS-AIR-CH24								00	00-FF							
0188	MTS-AIR-CH27								00	00-FF							
0189	MTS-AIR-CH26								00	00-FF							
018A	MTS-AIR-CH29								00	00-FF							
018B	MTS-AIR-CH28								00	00-FF							
018C	MTS-AIR-CH31								00	00-FF							
018D	MTS-AIR-CH30								00	00-FF							
018E	MTS-AIR-CH33								00	00-FF							
018F	MTS-AIR-CH32								00	00-FF							
0190	MTS-AIR-CH35								00	00-FF							
0191	MTS-AIR-CH34								00	00-FF							
0192	MTS-AIR-CH37								00	00-FF							
0193	MTS-AIR-CH36								00	00-FF							
0194	MTS-AIR-CH39								00	00-FF							
0195	MTS-AIR-CH38								00	00-FF							
0196	MTS-AIR-CH41								00	00-FF							
0197	MTS-AIR-CH40								00	00-FF							
0198	MTS-AIR-CH43								00	00-FF							
0199	MTS-AIR-CH42								00	00-FF							
019A	MTS-AIR-CH45								00	00-FF							
019B	MTS-AIR-CH44								00	00-FF							
019C	MTS-AIR-CH47								00	00-FF							
019D	MTS-AIR-CH46								00	00-FF							
019E	MTS-AIR-CH49								00	00-FF							
019F	MTS-AIR-CH48								00	00-FF							
01A0	MTS-AIR-CH51								00	00-FF							
01A1	MTS-AIR-CH50								00	00-FF							
01A2	MTS-AIR-CH53								00	00-FF							
01A3	MTS-AIR-CH52								00	00-FF							
01A4	MTS-AIR-CH55								00	00-FF							
01A5	MTS-AIR-CH54								00	00-FF							
01A6	MTS-AIR-CH57								00	00-FF							
01A7	MTS-AIR-CH56								00	00-FF							
01A8	MTS-AIR-CH59								00	00-FF							
01A9	MTS-AIR-CH58								00	00-FF							
01AA	MTS-AIR-CH61								00	00-FF							
01AB	MTS-AIR-CH60								00	00-FF							
01AC	MTS-AIR-CH63								00	00-FF							
01AD	MTS-AIR-CH62								00	00-FF							
01AE	MTS-AIR-CH65								00	00-FF							
01AF	MTS-AIR-CH64								00	00-FF							
01B0	MTS-AIR-CH67								00	00-FF							
01B1	MTS-AIR-CH66								00	00-FF							
01B2	MTS-AIR-CH69								00	00-FF							
01B3	MTS-AIR-CH68								00	00-FF							
01B4	MTS-CABLE-CH01								00	00-FF							
01B5																	
01B6	MTS-CABLE-CH03								00	00-FF							
01B7	MTS-CABLE-CH02								00	00-FF							
01B8	MTS-CABLE-CH05								00	00-FF							
01B9	MTS-CABLE-CH04								00	00-FF							
01BA	MTS-CABLE-CH07								00	00-FF							
01BB	MTS-CABLE-CH06								00	00-FF							
01BC	MTS-CABLE-CH09								00	00-FF							
01BD	MTS-CABLE-CH08								00	00-FF							
01BE	MTS-CABLE-CH11								00	00-FF							
01BF	MTS-CABLE-CH10								00	00-FF							
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 8

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
01C0	MTS-CABLE-CH13								00	00-FF							
01C1	MTS-CABLE-CH12								00	00-FF							
01C2	MTS-CABLE-CH15								00	00-FF							
01C3	MTS-CABLE-CH14								00	00-FF							
01C4	MTS-CABLE-CH17								00	00-FF							
01C5	MTS-CABLE-CH16								00	00-FF							
01C6	MTS-CABLE-CH19								00	00-FF							
01C7	MTS-CABLE-CH18								00	00-FF							
01C8	MTS-CABLE-CH21								00	00-FF							
01C9	MTS-CABLE-CH20								00	00-FF							
01CA	MTS-CABLE-CH23								00	00-FF							
01CB	MTS-CABLE-CH22								00	00-FF							
01CC	MTS-CABLE-CH25								00	00-FF							
01CD	MTS-CABLE-CH24								00	00-FF							
01CE	MTS-CABLE-CH27								00	00-FF							
01CF	MTS-CABLE-CH26								00	00-FF							
01D0	MTS-CABLE-CH29								00	00-FF							
01D1	MTS-CABLE-CH28								00	00-FF							
01D2	MTS-CABLE-CH31								00	00-FF							
01D3	MTS-CABLE-CH30								00	00-FF							
01D4	MTS-CABLE-CH33								00	00-FF							
01D5	MTS-CABLE-CH32								00	00-FF							
01D6	MTS-CABLE-CH35								00	00-FF							
01D7	MTS-CABLE-CH34								00	00-FF							
01D8	MTS-CABLE-CH37								00	00-FF							
01D9	MTS-CABLE-CH36								00	00-FF							
01DA	MTS-CABLE-CH39								00	00-FF							
01DB	MTS-CABLE-CH38								00	00-FF							
01DC	MTS-CABLE-CH41								00	00-FF							
01DD	MTS-CABLE-CH40								00	00-FF							
01DE	MTS-CABLE-CH43								00	00-FF							
01DF	MTS-CABLE-CH42								00	00-FF							
01E0	MTS-CABLE-CH45								00	00-FF							
01E1	MTS-CABLE-CH44								00	00-FF							
01E2	MTS-CABLE-CH47								00	00-FF							
01E3	MTS-CABLE-CH46								00	00-FF							
01E4	MTS-CABLE-CH49								00	00-FF							
01E5	MTS-CABLE-CH48								00	00-FF							
01E6	MTS-CABLE-CH51								00	00-FF							
01E7	MTS-CABLE-CH50								00	00-FF							
01E8	MTS-CABLE-CH53								00	00-FF							
01E9	MTS-CABLE-CH52								00	00-FF							
01EA	MTS-CABLE-CH55								00	00-FF							
01EB	MTS-CABLE-CH54								00	00-FF							
01EC	MTS-CABLE-CH57								00	00-FF							
01ED	MTS-CABLE-CH56								00	00-FF							
01EE	MTS-CABLE-CH59								00	00-FF							
01EF	MTS-CABLE-CH58								00	00-FF							
01F0	MTS-CABLE-CH61								00	00-FF							
01F1	MTS-CABLE-CH60								00	00-FF							
01F2	MTS-CABLE-CH63								00	00-FF							
01F3	MTS-CABLE-CH62								00	00-FF							
01F4	MTS-CABLE-CH65								00	00-FF							
01F5	MTS-CABLE-CH64								00	00-FF							
01F6	MTS-CABLE-CH67								00	00-FF							
01F7	MTS-CABLE-CH66								00	00-FF							
01F8	MTS-CABLE-CH69								00	00-FF							
01F9	MTS-CABLE-CH68								00	00-FF							
01FA	MTS-CABLE-CH71								00	00-FF							
01FB	MTS-CABLE-CH70								00	00-FF							
01FC	MTS-CABLE-CH73								00	00-FF							
01FD	MTS-CABLE-CH72								00	00-FF							
01FE	MTS-CABLE-CH75								00	00-FF							
01FF	MTS-CABLE-CH74								00	00-FF							
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 9

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0200	MTS-CABLE-CH77								00	00-FF							
0201	MTS-CABLE-CH76								00	00-FF							
0202	MTS-CABLE-CH79								00	00-FF							
0203	MTS-CABLE-CH78								00	00-FF							
0204	MTS-CABLE-CH81								00	00-FF							
0205	MTS-CABLE-CH80								00	00-FF							
0206	MTS-CABLE-CH83								00	00-FF							
0207	MTS-CABLE-CH82								00	00-FF							
0208	MTS-CABLE-CH85								00	00-FF							
0209	MTS-CABLE-CH84								00	00-FF							
020A	MTS-CABLE-CH87								00	00-FF							
020B	MTS-CABLE-CH86								00	00-FF							
020C	MTS-CABLE-CH89								00	00-FF							
020D	MTS-CABLE-CH88								00	00-FF							
020E	MTS-CABLE-CH91								00	00-FF							
020F	MTS-CABLE-CH90								00	00-FF							
0210	MTS-CABLE-CH93								00	00-FF							
0211	MTS-CABLE-CH92								00	00-FF							
0212	MTS-CABLE-CH95								00	00-FF							
0213	MTS-CABLE-CH94								00	00-FF							
0214	MTS-CABLE-CH97								00	00-FF							
0215	MTS-CABLE-CH96								00	00-FF							
0216	MTS-CABLE-CH99								00	00-FF							
0217	MTS-CABLE-CH98								00	00-FF							
0218	MTS-CABLE-CH101								00	00-FF							
0219	MTS-CABLE-CH100								00	00-FF							
021A	MTS-CABLE-CH103								00	00-FF							
021B	MTS-CABLE-CH102								00	00-FF							
021C	MTS-CABLE-CH105								00	00-FF							
021D	MTS-CABLE-CH104								00	00-FF							
021E	MTS-CABLE-CH107								00	00-FF							
021F	MTS-CABLE-CH106								00	00-FF							
0220	MTS-CABLE-CH109								00	00-FF							
0221	MTS-CABLE-CH108								00	00-FF							
0222	MTS-CABLE-CH111								00	00-FF							
0223	MTS-CABLE-CH110								00	00-FF							
0224	MTS-CABLE-CH113								00	00-FF							
0225	MTS-CABLE-CH112								00	00-FF							
0226	MTS-CABLE-CH115								00	00-FF							
0227	MTS-CABLE-CH114								00	00-FF							
0228	MTS-CABLE-CH117								00	00-FF							
0229	MTS-CABLE-CH116								00	00-FF							
022A	MTS-CABLE-CH119								00	00-FF							
022B	MTS-CABLE-CH118								00	00-FF							
022C	MTS-CABLE-CH121								00	00-FF							
022D	MTS-CABLE-CH120								00	00-FF							
022E	MTS-CABLE-CH123								00	00-FF							
022F	MTS-CABLE-CH122								00	00-FF							
0230	MTS-CABLE-CH125								00	00-FF							
0231	MTS-CABLE-CH124								00	00-FF							
0232	CH MRY-AIR-CH15	CH MRY-AIR-CH14	CH MRY-AIR-CH13	CH MRY-AIR-CH12	CH MRY-AIR-CH11	CH MRY-AIR-CH10	CH MRY-AIR-CH09	CH MRY-AIR-CH08	00	00-FF							(CH MEMORY) CH MRY:
0233	CH MRY-AIR-CH07	CH MRY-AIR-CH06	CH MRY-AIR-CH05	CH MRY-AIR-CH04	CH MRY-AIR-CH03	CH MRY-AIR-CH02			00	00-FC							0 = ADD
0234	CH MRY-AIR-CH31	CH MRY-AIR-CH30	CH MRY-AIR-CH29	CH MRY-AIR-CH28	CH MRY-AIR-CH27	CH MRY-AIR-CH26	CH MRY-AIR-CH25	CH MRY-AIR-CH24	00	00-FF							1 = ERASE
0235	CH MRY-AIR-CH23	CH MRY-AIR-CH22	CH MRY-AIR-CH21	CH MRY-AIR-CH20	CH MRY-AIR-CH19	CH MRY-AIR-CH18	CH MRY-AIR-CH17	CH MRY-AIR-CH16	00	00-FF							
0236	CH MRY-AIR-CH47	CH MRY-AIR-CH46	CH MRY-AIR-CH45	CH MRY-AIR-CH44	CH MRY-AIR-CH43	CH MRY-AIR-CH42	CH MRY-AIR-CH41	CH MRY-AIR-CH40	00	00-FF							
0237	CH MRY-AIR-CH39	CH MRY-AIR-CH38	CH MRY-AIR-CH37	CH MRY-AIR-CH36	CH MRY-AIR-CH35	CH MRY-AIR-CH34	CH MRY-AIR-CH33	CH MRY-AIR-CH32	00	00-FF							
0238	CH MRY-AIR-CH63	CH MRY-AIR-CH62	CH MRY-AIR-CH61	CH MRY-AIR-CH60	CH MRY-AIR-CH59	CH MRY-AIR-CH58	CH MRY-AIR-CH57	CH MRY-AIR-CH56	00	00-FF							
0239	CH MRY-AIR-CH55	CH MRY-AIR-CH54	CH MRY-AIR-CH53	CH MRY-AIR-CH52	CH MRY-AIR-CH51	CH MRY-AIR-CH50	CH MRY-AIR-CH49	CH MRY-AIR-CH48	00	00-FF							
023A	CH MRY-CABLE-CH09	CH MRY-CABLE-CH08	CH MRY-CABLE-CH07	CH MRY-CABLE-CH06	CH MRY-CABLE-CH05	CH MRY-CABLE-CH04	CH MRY-CABLE-CH03	CH MRY-CABLE-CH02	00	00-FF							
023B	CH MRY-CABLE-CH01		CH MRY-AIR-CH69	CH MRY-AIR-CH68	CH MRY-AIR-CH67	CH MRY-AIR-CH66	CH MRY-AIR-CH65	CH MRY-AIR-CH64	00	00-BF							
023C	CH MRY-CABLE-CH25	CH MRY-CABLE-CH24	CH MRY-CABLE-CH23	CH MRY-CABLE-CH22	CH MRY-CABLE-CH21	CH MRY-CABLE-CH20	CH MRY-CABLE-CH19	CH MRY-CABLE-CH18	00	00-FF							
023D	CH MRY-CABLE-CH17	CH MRY-CABLE-CH16	CH MRY-CABLE-CH15	CH MRY-CABLE-CH14	CH MRY-CABLE-CH13	CH MRY-CABLE-CH12	CH MRY-CABLE-CH11	CH MRY-CABLE-CH10	00	00-FF							
023E	CH MRY-CABLE-CH41	CH MRY-CABLE-CH40	CH MRY-CABLE-CH39	CH MRY-CABLE-CH38	CH MRY-CABLE-CH37	CH MRY-CABLE-CH36	CH MRY-CABLE-CH35	CH MRY-CABLE-CH34	00	00-FF							
023F	CH MRY-CABLE-CH33	CH MRY-CABLE-CH32	CH MRY-CABLE-CH31	CH MRY-CABLE-CH30	CH MRY-CABLE-CH29	CH MRY-CABLE-CH28	CH MRY-CABLE-CH27	CH MRY-CABLE-CH26	00	00-FF							
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 10

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0240	CH MRY-CABLE-CH57	CH MRY-CABLE-CH56	CH MRY-CABLE-CH55	CH MRY-CABLE-CH54	CH MRY-CABLE-CH53	CH MRY-CABLE-CH52	CH MRY-CABLE-CH51	CH MRY-CABLE-CH50	00	00-FF							(CH MEMORY) CH MRY:
0241	CH MRY-CABLE-CH49	CH MRY-CABLE-CH48	CH MRY-CABLE-CH47	CH MRY-CABLE-CH46	CH MRY-CABLE-CH45	CH MRY-CABLE-CH44	CH MRY-CABLE-CH43	CH MRY-CABLE-CH42	00	00-FF							0 = ADD
0242	CH MRY-CABLE-CH73	CH MRY-CABLE-CH72	CH MRY-CABLE-CH71	CH MRY-CABLE-CH70	CH MRY-CABLE-CH69	CH MRY-CABLE-CH68	CH MRY-CABLE-CH67	CH MRY-CABLE-CH66	00	00-FF							1 = ERASE
0243	CH MRY-CABLE-CH65	CH MRY-CABLE-CH64	CH MRY-CABLE-CH63	CH MRY-CABLE-CH62	CH MRY-CABLE-CH61	CH MRY-CABLE-CH60	CH MRY-CABLE-CH59	CH MRY-CABLE-CH58	00	00-FF							
0244	CH MRY-CABLE-CH89	CH MRY-CABLE-CH88	CH MRY-CABLE-CH87	CH MRY-CABLE-CH86	CH MRY-CABLE-CH85	CH MRY-CABLE-CH84	CH MRY-CABLE-CH83	CH MRY-CABLE-CH82	00	00-FF							
0245	CH MRY-CABLE-CH81	CH MRY-CABLE-CH80	CH MRY-CABLE-CH79	CH MRY-CABLE-CH78	CH MRY-CABLE-CH77	CH MRY-CABLE-CH76	CH MRY-CABLE-CH75	CH MRY-CABLE-CH74	00	00-FF							
0246	CH MRY-CABLE-CH105	CH MRY-CABLE-CH104	CH MRY-CABLE-CH103	CH MRY-CABLE-CH102	CH MRY-CABLE-CH101	CH MRY-CABLE-CH100	CH MRY-CABLE-CH99	CH MRY-CABLE-CH98	00	00-FF							
0247	CH MRY-CABLE-CH97	CH MRY-CABLE-CH96	CH MRY-CABLE-CH95	CH MRY-CABLE-CH94	CH MRY-CABLE-CH93	CH MRY-CABLE-CH92	CH MRY-CABLE-CH91	CH MRY-CABLE-CH90	00	00-FF							
0248	CH MRY-CABLE-CH121	CH MRY-CABLE-CH120	CH MRY-CABLE-CH119	CH MRY-CABLE-CH118	CH MRY-CABLE-CH117	CH MRY-CABLE-CH116	CH MRY-CABLE-CH115	CH MRY-CABLE-CH114	00	00-FF							
0249	CH MRY-CABLE-CH113	CH MRY-CABLE-CH112	CH MRY-CABLE-CH111	CH MRY-CABLE-CH110	CH MRY-CABLE-CH109	CH MRY-CABLE-CH108	CH MRY-CABLE-CH107	CH MRY-CABLE-CH106	00	00-FF							
024A																	
024B					CH MRY-CABLE-CH125	CH MRY-CABLE-CH124	CH MRY-CABLE-CH123	CH MRY-CABLE-CH122	00	00-0F							
024C																	
024D																	
024E																	
024F																	
0250																	
0251																	
0252																	
0253																	
0254																	
0255																	
0256																	
0257																	
0258																	
0259																	
025A																	
025B																	
025C																	
025D																	
025E																	
025F																	
0260																	
0261																	
0262																	
0263																	
0264																	
0265																	
0266																	
0267																	
0268																	
0269																	
026A																	
026B																	
026C																	
026D																	
026E																	
026F																	
0270																	
0271																	
0272																	
0273																	
0274																	
0275																	
0276																	
0277																	
0278																	
0279																	
027A																	
027B																	
027C																	
027D																	
027E																	
027F																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 11

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0280																	
0281																	
0282																	
0283																	
0284																	
0285																	
0286																	
0287																	
0288																	
0289																	
028A																	
028B																	
028C																	
028D																	
028E																	
028F																	
0290																	
0291																	
0292																	
0293																	
0294																	
0295																	
0296																	
0297																	
0298																	
0299																	
029A																	
029B																	
029C																	
029D																	
029E																	
029F																	
02A0																	
02A1																	
02A2																	
02A3																	
02A4																	
02A5																	
02A6																	
02A7																	
02A8																	
02A9																	
02AA																	
02AB																	
02AC																	
02AD																	
02AE																	
02AF																	
02B0																	
02B1																	
02B2																	
02B3																	
02B4																	
02B5																	
02B6																	
02B7																	
02B8																	
02B9																	
02BA																	
02BB																	
02BC																	
02BD																	
02BE																	
02BF																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 12

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
02C0																	
02C1																	
02C2																	
02C3																	
02C4																	
02C5																	
02C6																	
02C7																	
02C8																	
02C9																	
02CA																	
02CB																	
02CC																	
02CD																	
02CE																	
02CF																	
02D0																	
02D1																	
02D2																	
02D3																	
02D4																	
02D5																	
02D6																	
02D7																	
02D8																	
02D9																	
02DA																	
02DB																	
02DC																	
02DD																	
02DE																	
02DF																	
02E0																	
02E1																	
02E2																	
02E3																	
02E4																	
02E5																	
02E6																	
02E7																	
02E8																	
02E9																	
02EA																	
02EB																	
02EC																	
02ED																	
02EE																	
02EF																	
02F0																	
02F1																	
02F2																	
02F3																	
02F4																	
02F5																	
02F6																	
02F7																	
02F8																	
02F9																	
02FA																	
02FB																	
02FC																	
02FD																	
02FE																	
02FF																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 13

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0300																	
0301																	
0302																	
0303																	
0304																	
0305																	
0306																	
0307																	
0308																	
0309																	
030A																	
030B																	
030C																	
030D																	
030E																	
030F																	
0310																	
0311																	
0312																	
0313																	
0314																	
0315																	
0316																	
0317																	
0318																	
0319																	
031A																	
031B																	
031C																	
031D																	
031E																	
031F																	
0320																	
0321																	
0322																	
0323																	
0324																	
0325																	
0326																	
0327																	
0328																	
0329																	
032A																	
032B																	
032C																	
032D																	
032E																	
032F																	
0330																	
0331																	
0332																	
0333																	
0334																	
0335																	
0336																	
0337																	
0338																	
0339																	
033A																	
033B																	
033C																	
033D																	
033E																	
033F																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 14

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0340																	
0341																	
0342																	
0343																	
0344																	
0345																	
0346																	
0347																	
0348																	
0349																	
034A																	
034B																	
034C																	
034D																	
034E																	
034F																	
0350																	
0351																	
0352																	
0353																	
0354																	
0355																	
0356																	
0357																	
0358																	
0359																	
035A																	
035B																	
035C																	
035D																	
035E																	
035F																	
0360																	
0361																	
0362																	
0363																	
0364																	
0365																	
0366																	
0367																	
0368																	
0369																	
036A																	
036B																	
036C																	
036D																	
036E																	
036F																	
0370																	
0371																	
0372																	
0373																	
0374																	
0375																	
0376																	
0377																	
0378																	
0379																	
037A																	
037B																	
037C																	
037D																	
037E																	
037F																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 15

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT(hex)	RANGE(hex)	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0380																	
0381																	
0382																	
0383																	
0384																	
0385																	
0386																	
0387																	
0388																	
0389																	
038A																	
038B																	
038C																	
038D																	
038E																	
038F																	
0390																	
0391																	
0392																	
0393																	
0394																	
0395																	
0396																	
0397																	
0398																	
0399																	
039A																	
039B																	
039C																	
039D																	
039E																	
039F																	
03A0																	
03A1																	
03A2																	
03A3																	
03A4																	
03A5																	
03A6																	
03A7																	
03A8																	
03A9																	
03AA																	
03AB																	
03AC																	
03AD																	
03AE																	
03AF																	
03B0																	
03B1																	
03B2																	
03B3																	
03B4																	
03B5																	
03B6																	
03B7																	
03B8																	
03B9																	
03BA																	
03BB																	
03BC																	
03BD																	
03BE																	
03BF																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 16

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
03C0																	
03C1																	
03C2																	
03C3																	
03C4																	
03C5																	
03C6																	
03C7																	
03C8																	
03C9																	
03CA																	
03CB																	
03CC																	
03CD																	
03CE																	
03CF																	
03D0																	
03D1																	
03D2																	
03D3																	
03D4																	
03D5																	
03D6																	
03D7																	
03D8																	
03D9																	
03DA																	
03DB																	
03DC																	
03DD																	
03DE																	
03DF																	
03E0																	
03E1																	
03E2																	
03E3																	
03E4																	
03E5																	
03E6																	
03E7																	
03E8																	
03E9																	
03EA																	
03EB																	
03EC																	
03ED																	
03EE																	
03EF																	
03F0																	
03F1																	
03F2																	
03F3																	
03F4																	
03F5																	
03F6																	
03F7																	
03F8																	
03F9																	
03FA																	
03FB																	
03FC																	
03FD																	
03FE																	
03FF	FACTORY SHIPOUT LANGUAGE (STEREO NTSC)																This data will be copied to LANGUAGE(Sub address: 0x133, Bit D3~D0) when the following condition is implemented: 1) Model-Set
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 17

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0400																	
0401																	
0402																	
0403																	
0404																	
0405																	
0406																	
0407																	
0408																	
0409																	
040A																	
040B																	
040C																	
040D																	
040E																	
040F																	
0410																	
0411																	
0412																	
0413																	
0414																	
0415																	
0416																	
0417																	
0418																	
0419																	
041A																	
041B																	
041C																	
041D																	
041E																	
041F																	
0420																	
0421																	
0422																	
0423																	
0424																	
0425																	
0426																	
0427																	
0428																	
0429																	
042A																	
042B																	
042C																	
042D																	
042E																	
042F																	
0430																	
0431																	
0432																	
0433																	
0434																	
0435																	
0436																	
0437																	
0438																	
0439																	
043A																	
043B																	
043C																	
043D																	
043E																	
043F																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 18

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0440																	
0441																	
0442																	
0443																	
0444																	
0445																	
0446																	
0447																	
0448																	
0449																	
044A																	
044B																	
044C																	
044D																	
044E																	
044F																	
0450																	
0451																	
0452																	
0453																	
0454																	
0455																	
0456																	
0457																	
0458																	
0459																	
045A																	
045B																	
045C																	
045D																	
045E																	
045F																	
0460																	
0461																	
0462																	
0463																	
0464																	
0465																	
0466																	
0467																	
0468																	
0469																	
046A																	
046B																	
046C																	
046D																	
046E																	
046F																	
0470																	
0471																	
0472																	
0473																	
0474																	
0475																	
0476																	
0477																	
0478																	
0479																	
047A																	
047B																	
047C																	
047D																	
047E																	
047F																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 19

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT(hex)	RANGE(hex)	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0480																	
0481																	
0482																	
0483																	
0484																	
0485																	
0486																	
0487																	
0488																	
0489																	
048A																	
048B																	
048C																	
048D																	
048E																	
048F																	
0490																	
0491																	
0492																	
0493																	
0494																	
0495																	
0496																	
0497																	
0498																	
0499																	
049A																	
049B																	
049C																	
049D																	
049E																	
049F																	
04A0																	
04A1																	
04A2																	
04A3																	
04A4																	
04A5																	
04A6																	
04A7																	
04A8																	
04A9																	
04AA																	
04AB																	
04AC																	
04AD																	
04AE																	
04AF																	
04B0																	
04B1																	
04B2																	
04B3																	
04B4																	
04B5																	
04B6																	
04B7																	
04B8																	
04B9																	
04BA																	
04BB																	
04BC																	
04BD																	
04BE																	
04BF																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

EEPROM CHECK DATA LIST 20

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
04C0																	
04C1																	
04C2																	
04C3																	
04C4																	
04C5																	
04C6																	
04C7																	
04C8																	
04C9																	
04CA																	
04CB																	
04CC																	
04CD																	
04CE																	
04CF																	
04D0																	
04D1																	
04D2																	
04D3																	
04D4																	
04D5																	
04D6																	
04D7																	
04D8																	
04D9																	
04DA																	
04DB																	
04DC																	
04DD																	
04DE																	
04DF																	
04E0																	
04E1																	
04E2																	
04E3																	
04E4																	
04E5																	
04E6																	
04E7																	
04E8																	
04E9																	
04EA																	
04EB																	
04EC																	
04ED																	
04EE																	
04EF																	
04F0																	
04F1																	
04F2																	
04F3																	
04F4																	
04F5																	
04F6																	
04F7																	
04F8																	
04F9																	
04FA																	
04FB																	
04FC																	
04FD																	
04FE																	
04FF																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 21

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0500																	
0501																	
0502																	
0503																	
0504																	
0505																	
0506																	
0507																	
0508																	
0509																	
050A																	
050B																	
050C																	
050D																	
050E																	
050F																	
0510																	
0511																	
0512																	
0513																	
0514																	
0515																	
0516																	
0517																	
0518																	
0519																	
051A																	
051B																	
051C																	
051D																	
051E																	
051F																	
0520																	
0521																	
0522																	
0523																	
0524																	
0525																	
0526																	
0527																	
0528																	
0529																	
052A																	
052B																	
052C																	
052D																	
052E																	
052F																	
0530																	
0531																	
0532																	
0533																	
0534																	
0535																	
0536																	
0537																	
0538																	
0539																	
053A																	
053B																	
053C																	
053D																	
053E																	
053F																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 22

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0540																	
0541																	
0542																	
0543																	
0544																	
0545																	
0546																	
0547																	
0548																	
0549																	
054A																	
054B																	
054C																	
054D																	
054E																	
054F																	
0550																	
0551																	
0552																	
0553																	
0554																	
0555																	
0556																	
0557																	
0558																	
0559																	
055A																	
055B																	
055C																	
055D																	
055E																	
055F																	
0560																	
0561																	
0562																	
0563																	
0564																	
0565																	
0566																	
0567																	
0568																	
0569																	
056A																	
056B																	
056C																	
056D																	
056E																	
056F																	
0570																	
0571																	
0572																	
0573																	
0574																	
0575																	
0576																	
0577																	
0578																	
0579																	
057A																	
057B																	
057C																	
057D																	
057E																	
057F																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 23

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS (HEX)	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	REMARK
	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	
0580																	
0581																	
0582																	
0583																	
0584																	
0585																	
0586																	
0587																	
0588																	
0589																	
058A																	
058B																	
058C																	
058D																	
058E																	
058F																	
0590																	
0591																	
0592																	
0593																	
0594																	
0595																	
0596																	
0597																	
0598																	
0599																	
059A																	
059B																	
059C																	
059D																	
059E																	
059F																	
05A0																	
05A1																	
05A2																	
05A3																	
05A4																	
05A5																	
05A6																	
05A7																	
05A8																	
05A9																	
05AA																	
05AB																	
05AC																	
05AD																	
05AE																	
05AF																	
05B0																	
05B1																	
05B2																	
05B3																	
05B4																	
05B5																	
05B6																	
05B7																	
05B8																	
05B9																	
05BA																	
05BB																	
05BC																	
05BD																	
05BE																	
05BF																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 24

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
05C0																	
05C1																	
05C2																	
05C3																	
05C4																	
05C5																	
05C6																	
05C7																	
05C8																	
05C9																	
05CA																	
05CB																	
05CC																	
05CD																	
05CE																	
05CF																	
05D0																	
05D1																	
05D2																	
05D3																	
05D4																	
05D5																	
05D6																	
05D7																	
05D8																	
05D9																	
05DA																	
05DB																	
05DC																	
05DD																	
05DE																	
05DF																	
05E0																	
05E1																	
05E2																	
05E3																	
05E4																	
05E5																	
05E6																	
05E7																	
05E8																	
05E9																	
05EA																	
05EB																	
05EC																	
05ED																	
05EE																	
05EF																	
05F0																	
05F1																	
05F2																	
05F3																	
05F4																	
05F5																	
05F6																	
05F7																	
05F8																	
05F9																	
05FA																	
05FB																	
05FC																	
05FD																	
05FE																	
05FF																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 25

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0600																	
0601																	
0602																	
0603																	
0604																	
0605																	
0606																	
0607																	
0608																	
0609																	
060A																	
060B																	
060C																	
060D																	
060E																	
060F																	
0610																	
0611																	
0612																	
0613																	
0614																	
0615																	
0616																	
0617																	
0618																	
0619																	
061A																	
061B																	
061C																	
061D																	
061E																	
061F																	
0620																	
0621																	
0622																	
0623																	
0624																	
0625																	
0626																	
0627																	
0628																	
0629																	
062A																	
062B																	
062C																	
062D																	
062E																	
062F																	
0630																	
0631																	
0632																	
0633																	
0634																	
0635																	
0636																	
0637																	
0638																	
0639																	
063A																	
063B																	
063C																	
063D																	
063E																	
063F																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 26

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0640																	
0641																	
0642																	
0643																	
0644																	
0645																	
0646																	
0647																	
0648																	
0649																	
064A																	
064B																	
064C																	
064D																	
064E																	
064F																	
0650																	
0651																	
0652																	
0653																	
0654																	
0655																	
0656																	
0657																	
0658																	
0659																	
065A																	
065B																	
065C																	
065D																	
065E																	
065F																	
0660																	
0661																	
0662																	
0663																	
0664																	
0665																	
0666																	
0667																	
0668																	
0669																	
066A																	
066B																	
066C																	
066D																	
066E																	
066F																	
0670																	
0671																	
0672																	
0673																	
0674																	
0675																	
0676																	
0677																	
0678																	
0679																	
067A																	
067B																	
067C																	
067D																	
067E																	
067F																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 27

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	REMARK
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	
0680																	
0681																	
0682																	
0683																	
0684																	
0685																	
0686																	
0687																	
0688																	
0689																	
068A																	
068B																	
068C																	
068D																	
068E																	
068F																	
0690																	
0691																	
0692																	
0693																	
0694																	
0695																	
0696																	
0697																	
0698																	
0699																	
069A																	
069B																	
069C																	
069D																	
069E																	
069F																	
06A0																	
06A1																	
06A2																	
06A3																	
06A4																	
06A5																	
06A6																	
06A7																	
06A8																	
06A9																	
06AA																	
06AB																	
06AC																	
06AD																	
06AE																	
06AF																	
06B0																	
06B1																	
06B2																	
06B3																	
06B4																	
06B5																	
06B6																	
06B7																	
06B8																	
06B9																	
06BA																	
06BB																	
06BC																	
06BD																	
06BE																	
06BF																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 28

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
06C0																	
06C1																	
06C2																	
06C3																	
06C4																	
06C5																	
06C6																	
06C7																	
06C8																	
06C9																	
06CA																	
06CB																	
06CC																	
06CD																	
06CE																	
06CF																	
06D0																	
06D1																	
06D2																	
06D3																	
06D4																	
06D5																	
06D6																	
06D7																	
06D8																	
06D9																	
06DA																	
06DB																	
06DC																	
06DD																	
06DE																	
06DF																	
06E0																	
06E1																	
06E2																	
06E3																	
06E4																	
06E5																	
06E6																	
06E7																	
06E8																	
06E9																	
06EA																	
06EB																	
06EC																	
06ED																	
06EE																	
06EF																	
06F0																	
06F1																	
06F2																	
06F3																	
06F4																	
06F5																	
06F6																	
06F7																	
06F8																	
06F9																	
06FA																	
06FB																	
06FC																	
06FD																	
06FE																	
06FF																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 29

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0700																	
0701																	
0702																	
0703																	
0704																	
0705																	
0706																	
0707																	
0708																	
0709																	
070A																	
070B																	
070C																	
070D																	
070E																	
070F																	
0710																	
0711																	
0712																	
0713																	
0714																	
0715																	
0716																	
0717																	
0718																	
0719																	
071A																	
071B																	
071C																	
071D																	
071E																	
071F																	
0720																	
0721																	
0722																	
0723																	
0724																	
0725																	
0726																	
0727																	
0728																	
0729																	
072A																	
072B																	
072C																	
072D																	
072E																	
072F																	
0730																	
0731																	
0732																	
0733																	
0734																	
0735																	
0736																	
0737																	
0738																	
0739																	
073A																	
073B																	
073C																	
073D																	
073E																	
073F																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 30

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0740																	
0741																	
0742																	
0743																	
0744																	
0745																	
0746																	
0747																	
0748																	
0749																	
074A																	
074B																	
074C																	
074D																	
074E																	
074F																	
0750																	
0751																	
0752																	
0753																	
0754																	
0755																	
0756																	
0757																	
0758																	
0759																	
075A																	
075B																	
075C																	
075D																	
075E																	
075F																	
0760																	
0761																	
0762																	
0763																	
0764																	
0765																	
0766																	
0767																	
0768																	
0769																	
076A																	
076B																	
076C																	
076D																	
076E																	
076F																	
0770																	
0771																	
0772																	
0773																	
0774																	
0775																	
0776																	
0777																	
0778																	
0779																	
077A																	
077B																	
077C																	
077D																	
077E																	
077F																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 31

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0780																	
0781																	
0782																	
0783																	
0784																	
0785																	
0786																	
0787																	
0788																	
0789																	
078A																	
078B																	
078C																	
078D																	
078E																	
078F																	
0790																	
0791																	
0792																	
0793																	
0794																	
0795																	
0796																	
0797																	
0798																	
0799																	
079A																	
079B																	
079C																	
079D																	
079E																	
079F																	
07A0																	
07A1																	
07A2																	
07A3																	
07A4																	
07A5																	
07A6																	
07A7																	
07A8																	
07A9																	
07AA																	
07AB																	
07AC																	
07AD																	
07AE																	
07AF																	
07B0																	
07B1																	
07B2																	
07B3																	
07B4																	
07B5																	
07B6																	
07B7																	
07B8																	
07B9																	
07BA																	
07BB																	
07BC																	
07BD																	
07BE																	
07BF																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

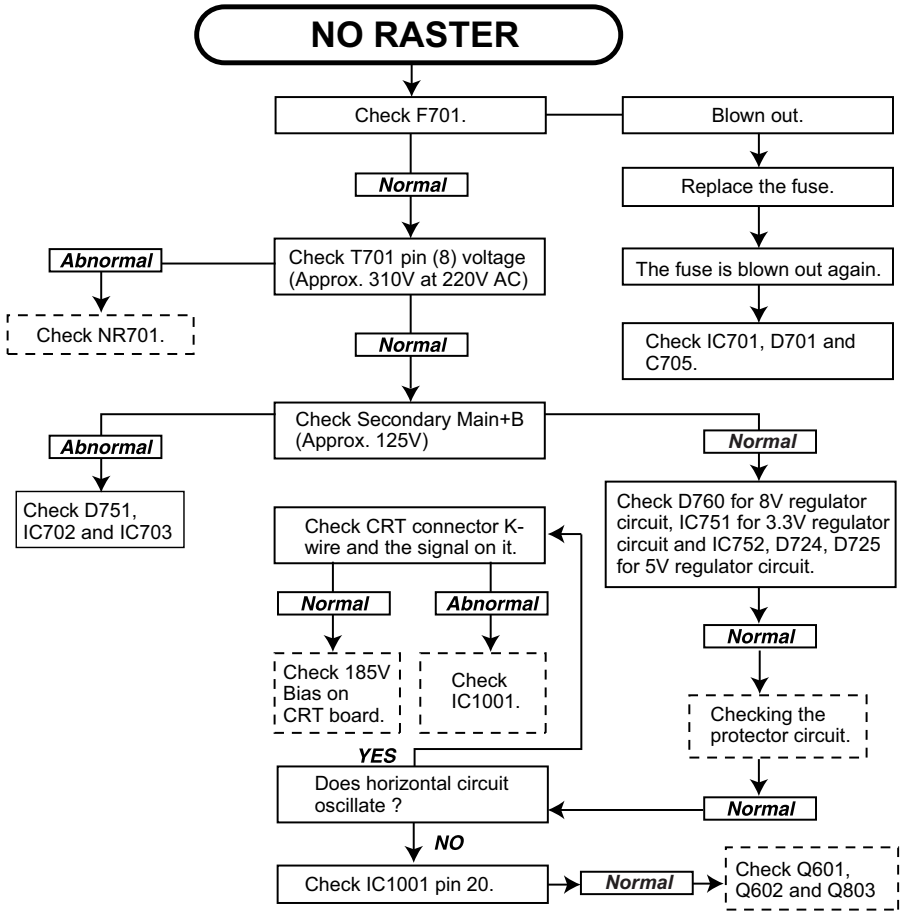
EEPROM CHECK DATA LIST 32

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

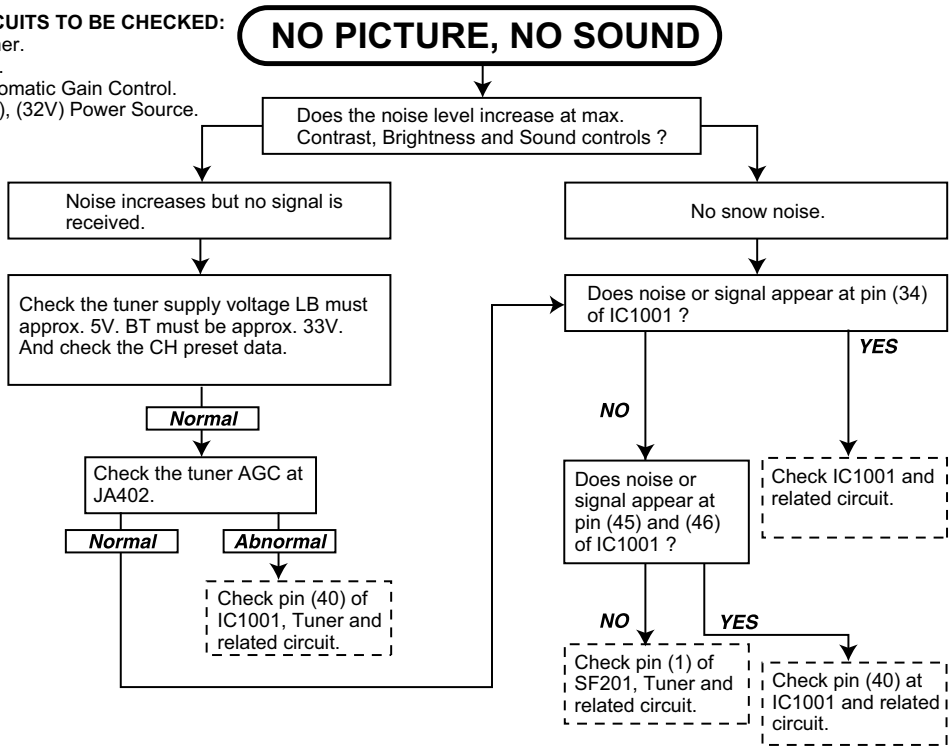
ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
07C0																	
07C1																	
07C2																	
07C3																	
07C4																	
07C5																	
07C6																	
07C7																	
07C8																	
07C9																	
07CA																	
07CB																	
07CC																	
07CD																	
07CE																	
07CF																	
07D0																	
07D1																	
07D2																	
07D3																	
07D4																	
07D5																	
07D6																	
07D7																	
07D8																	
07D9																	
07DA																	
07DB																	
07DC																	
07DD																	
07DE																	
07DF																	
07E0																	
07E1																	
07E2																	
07E3																	
07E4																	
07E5																	
07E6																	
07E7																	
07E8																	
07E9																	
07EA																	
07EB																	
07EC																	
07ED																	
07EE																	
07EF																	
07F0																	
07F1																	
07F2																	
07F3																	
07F4																	
07F5																	
07F6																	
07F7																	
07F8																	
07F9																	
07FA																	
07FB																	
07FC																	
07FD																	
07FE																	
07FF																	
MODEL																	
IXC450WJZZQ																	
LETTER NO.																	

CHAPTER 5. TROUBLE SHOOTING FLOWCHART

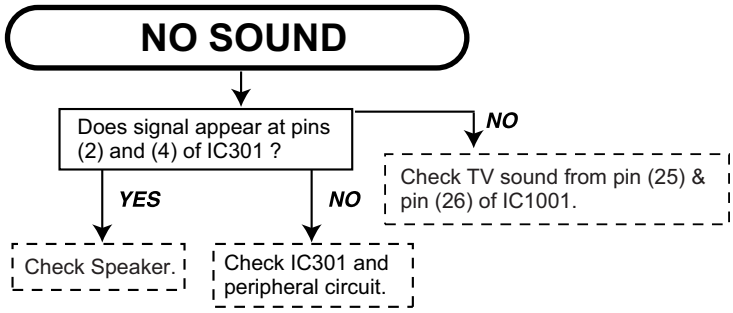
[1] TROUBLE SHOOTING FLOWCHART

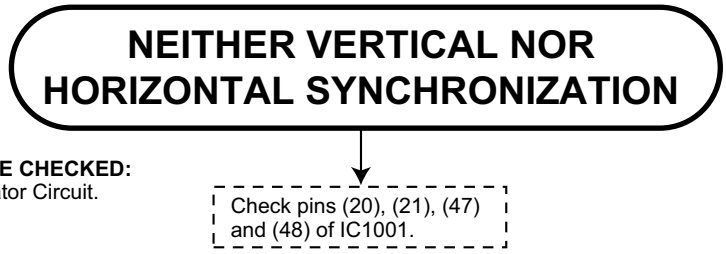


CIRCUITS TO BE CHECKED:
- Tuner.
- PIF.
- Automatic Gain Control.
- (5V), (32V) Power Source.


NO PICTURE, NO SOUND
Does the noise level increase at max. Contrast, Brightness and Sound controls ?
Noise increases but no signal is received.
No snow noise.
Check the tuner supply voltage LB must approx. 5V. BT must be approx. 33V. And check the CH preset data.
Does noise or signal appear at pin (34) of IC1001 ?
YES
NO
Normal
Check the tuner AGC at JA402.
Does noise or signal appear at pin (45) and (46) of IC1001 ?
Check IC1001 and related circuit.
Normal
Abnormal
Check pin (40) of IC1001, Tuner and related circuit.
NO
YES
Check pin (1) of SF201, Tuner and related circuit.
Check pin (40) at IC1001 and related circuit.

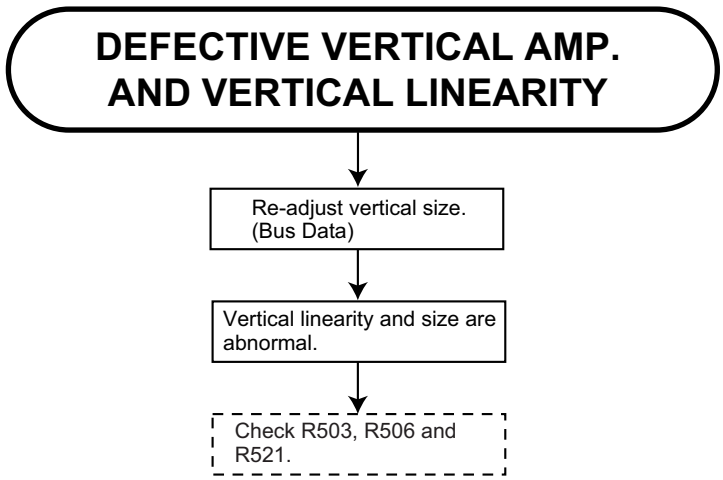
CIRCUITS TO BE CHECKED:
- Sound Detector Circuit.
- Sound Switch and Att. Control.
- Audio Output Circuit.

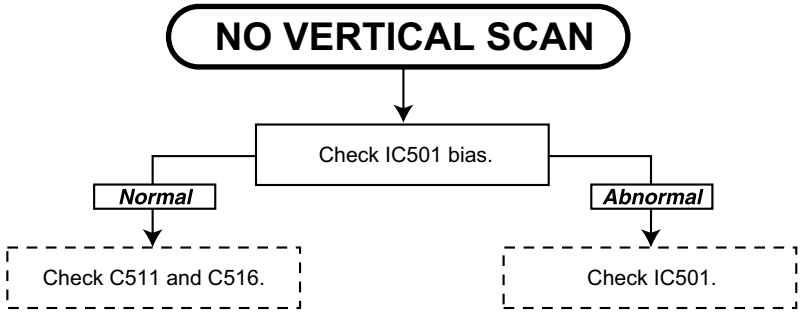

NO SOUND
Does signal appear at pins (2) and (4) of IC301 ?
NO
YES
NO
Check TV sound from pin (25) & pin (26) of IC1001.
Check Speaker.
Check IC301 and peripheral circuit.



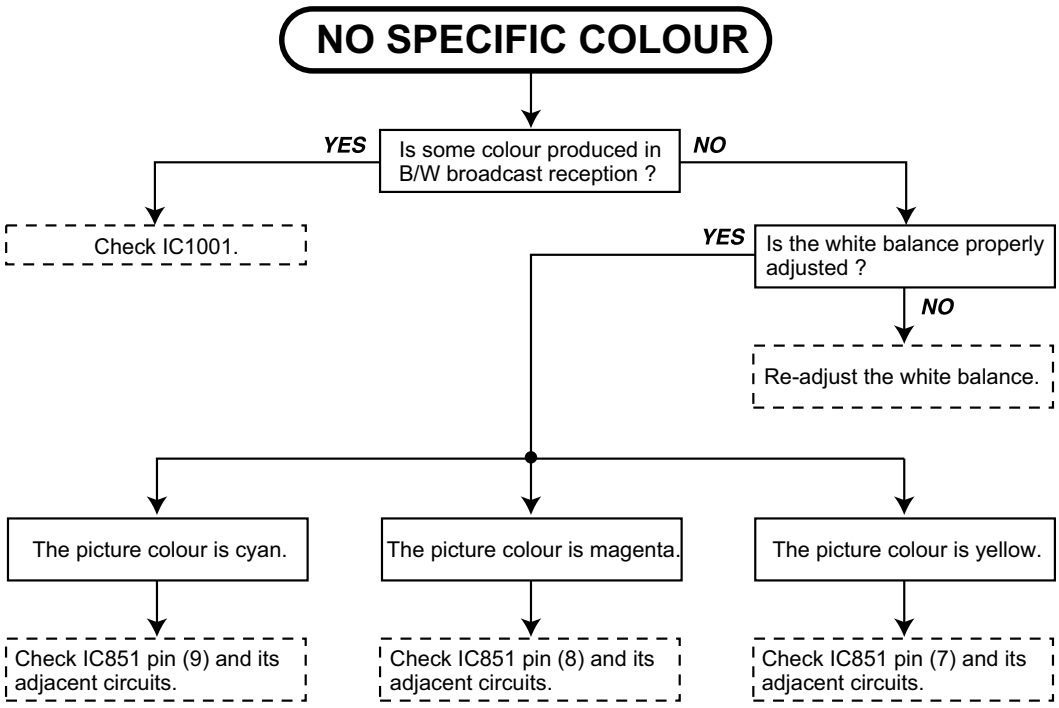
CIRCUIT TO BE CHECKED:
- Sync. Separator Circuit.

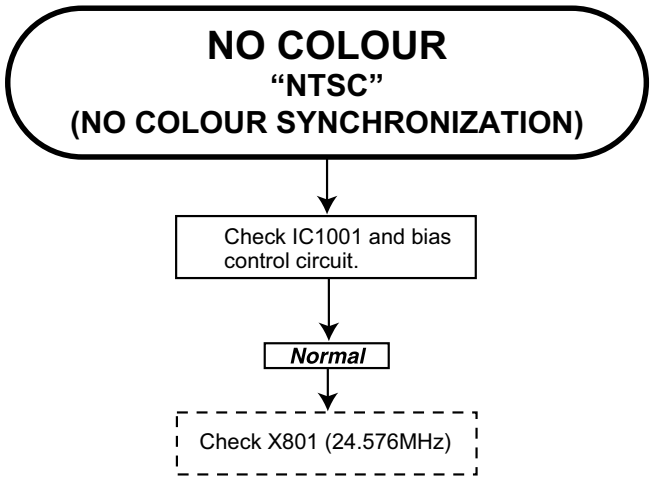
Check pins (20), (21), (47) and (48) of IC1001.


DEFECTIVE VERTICAL AMP. AND VERTICAL LINEARITY
Re-adjust vertical size. (Bus Data)
Vertical linearity and size are abnormal.
Check R503, R506 and R521.



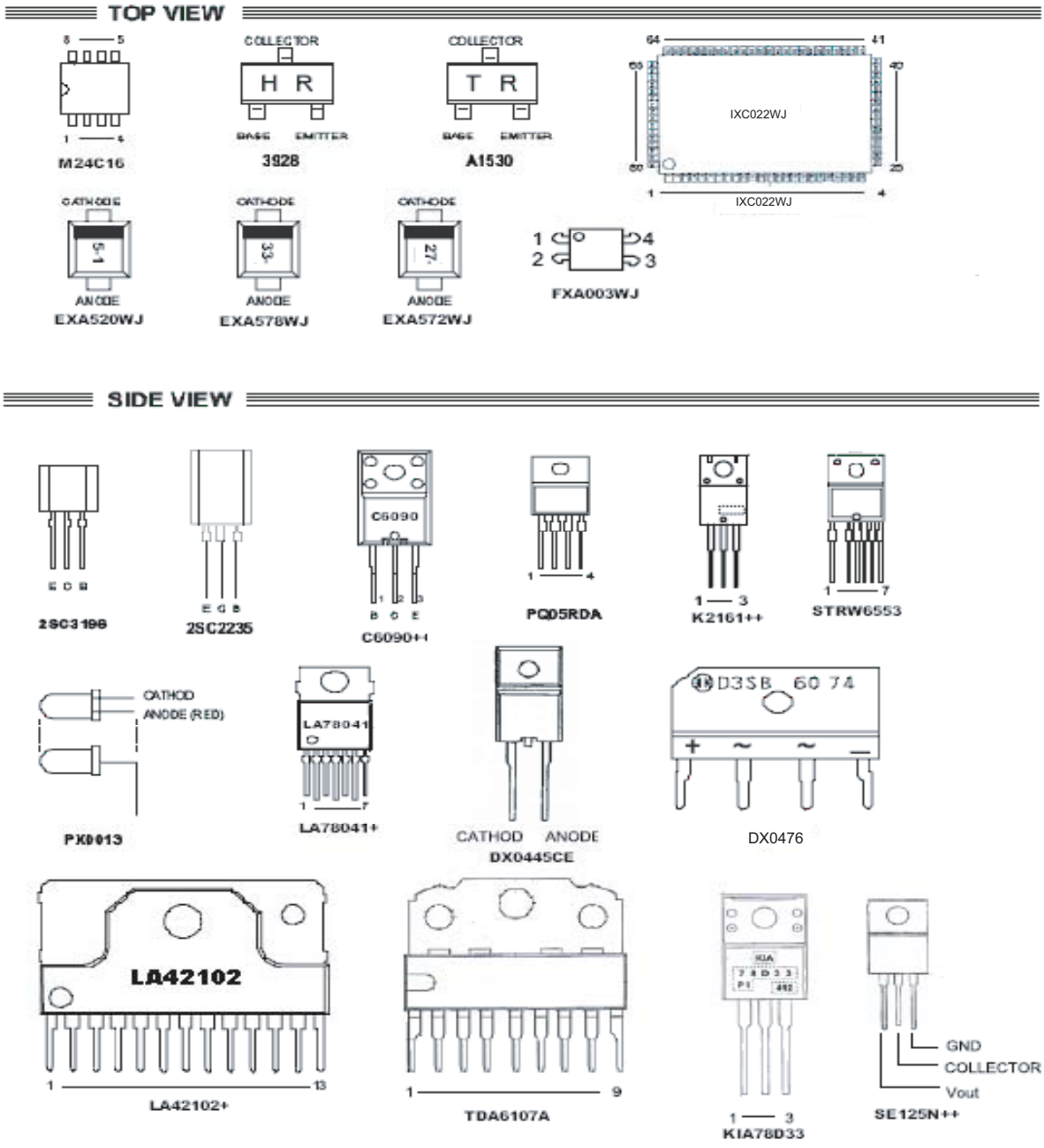
TROUBLE SHOOTING FLOWCHART (Continued)


NO SPECIFIC COLOUR
YES
Is some colour produced in B/W broadcast reception ?
NO
Check IC1001.
YES
Is the white balance properly adjusted ?
NO
Re-adjust the white balance.
The picture colour is cyan.
The picture colour is magenta.
The picture colour is yellow.
Check IC851 pin (9) and its adjacent circuits.
Check IC851 pin (8) and its adjacent circuits.
Check IC851 pin (7) and its adjacent circuits.



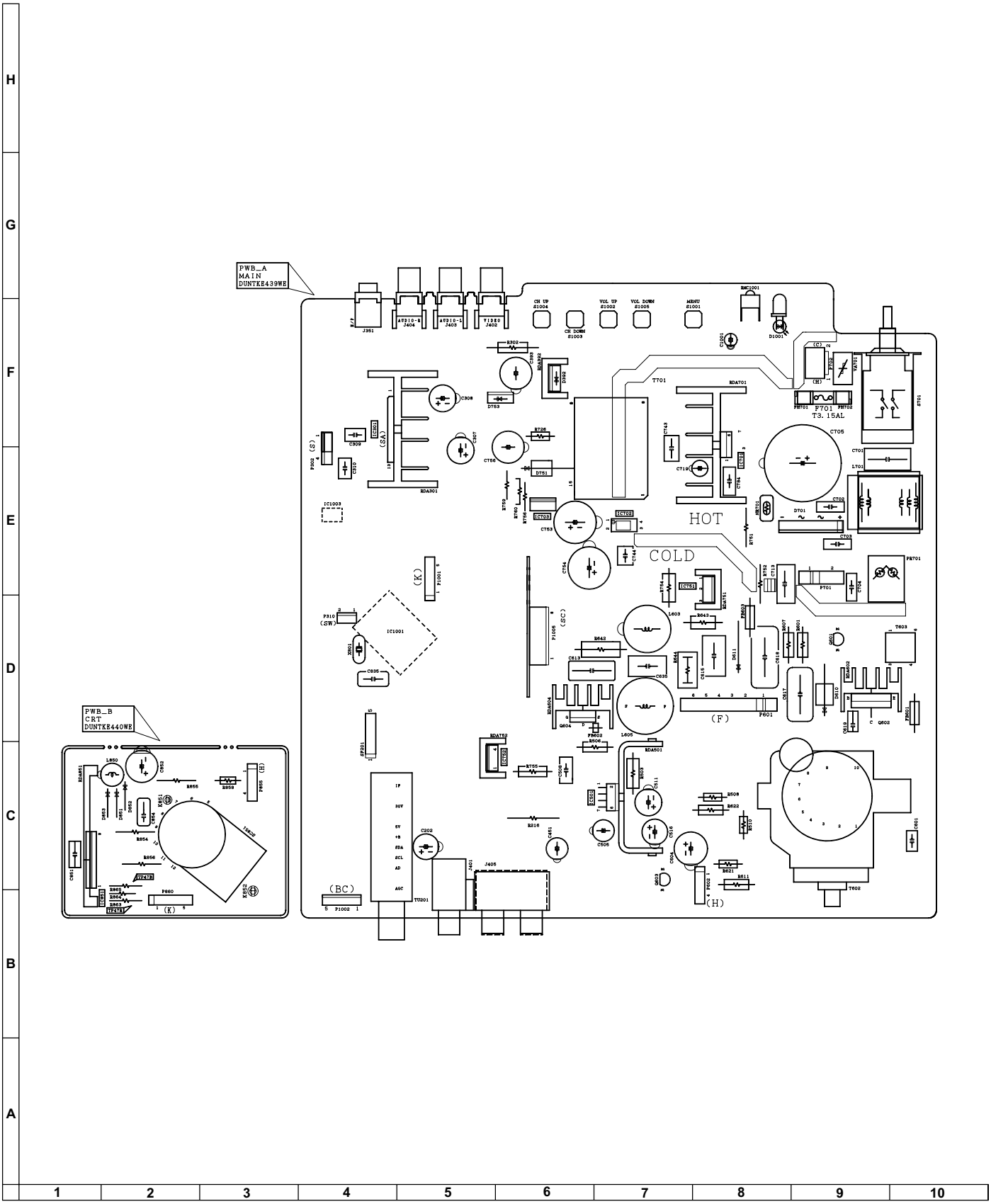
CHAPTER 6. SOLID STATE DEVICE BASE DIAGRAM

[1] SOLID STATE DEVICE BASE DIAGRAM



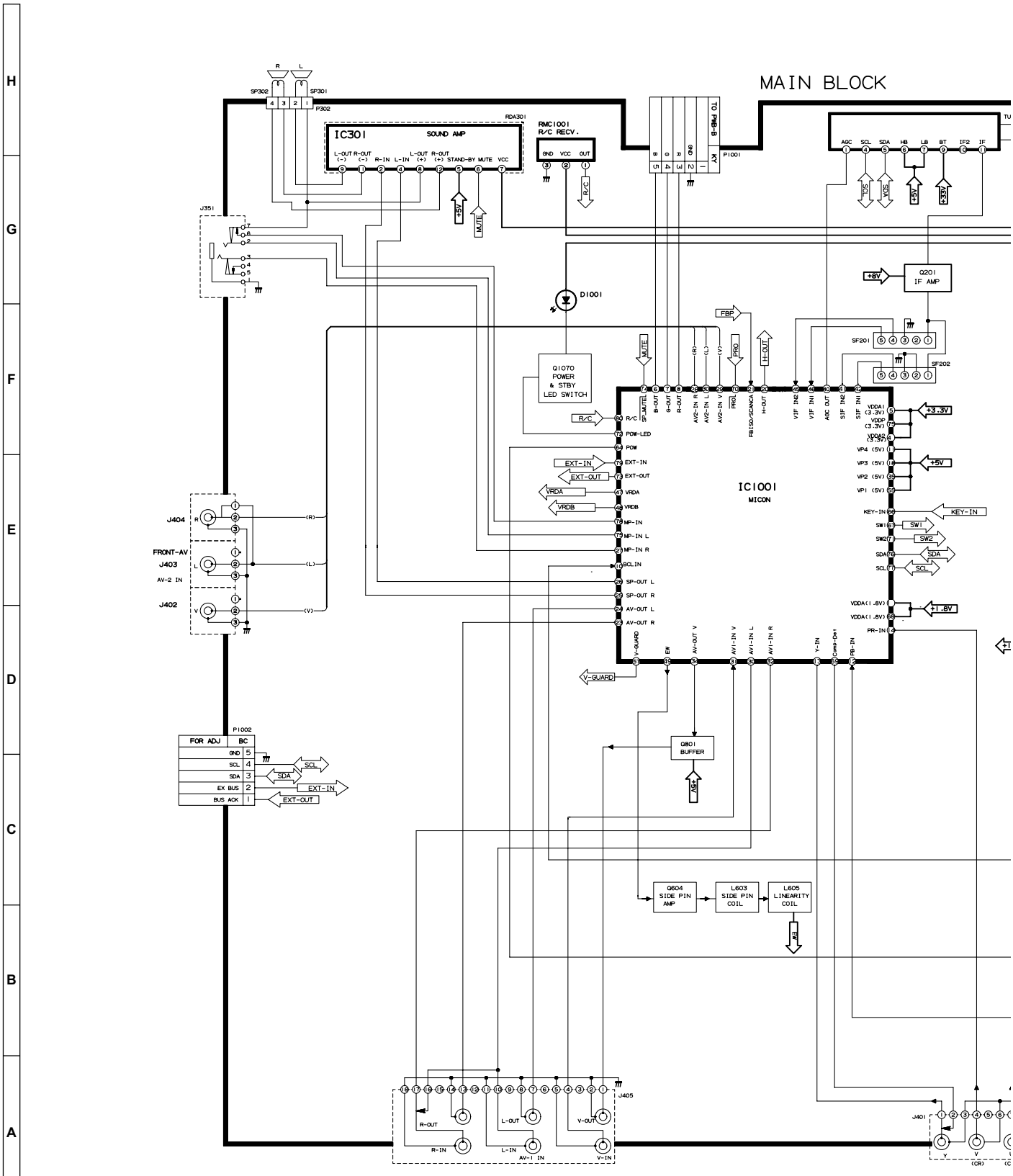
CHAPTER 7. CHASSIS LAYOUT

[1] CHASSIS LAYOUT

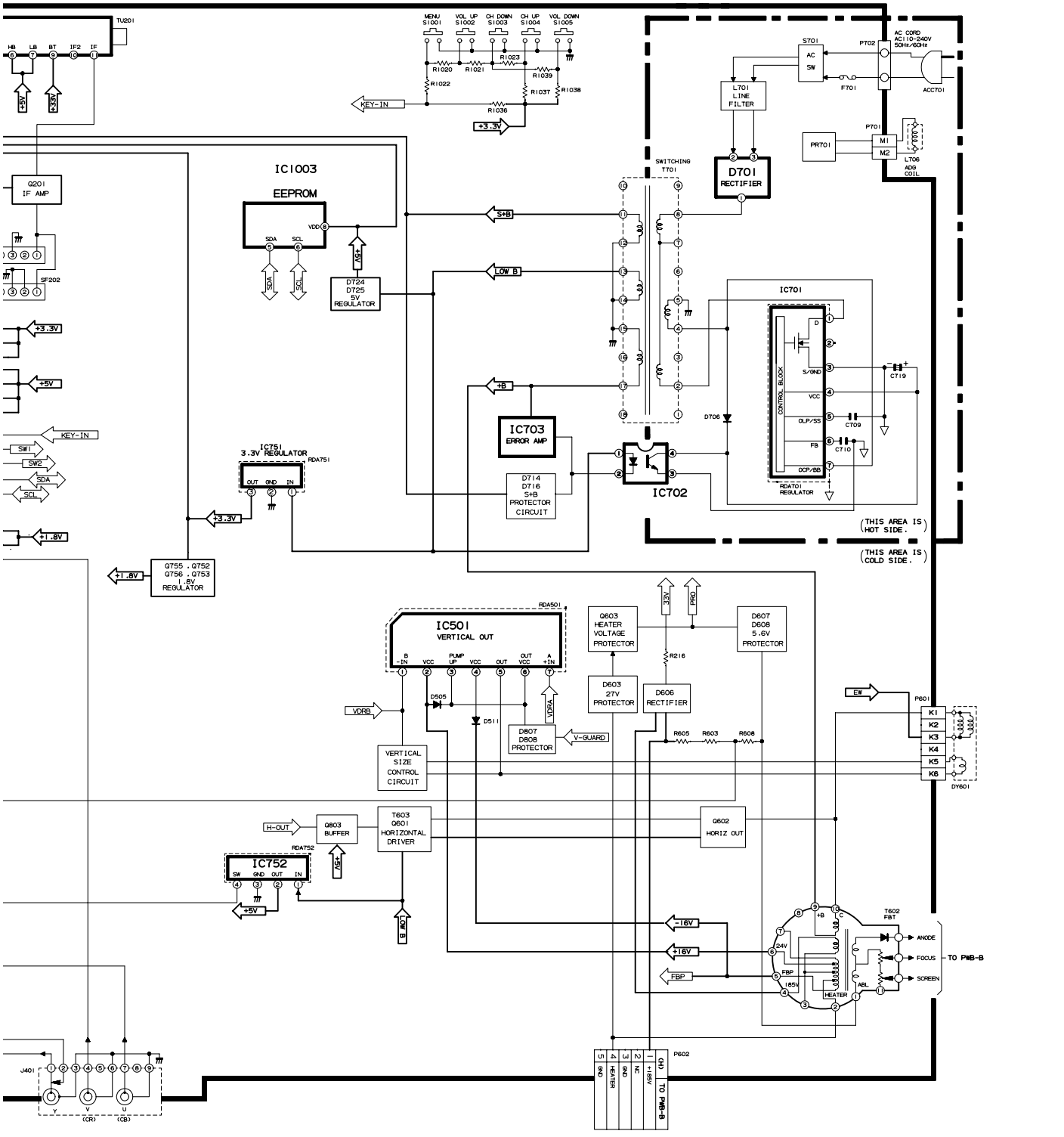


CHAPTER 8. BLOCK DIAGRAM

[1] BLOCK DIAGRAM: MAIN UNIT

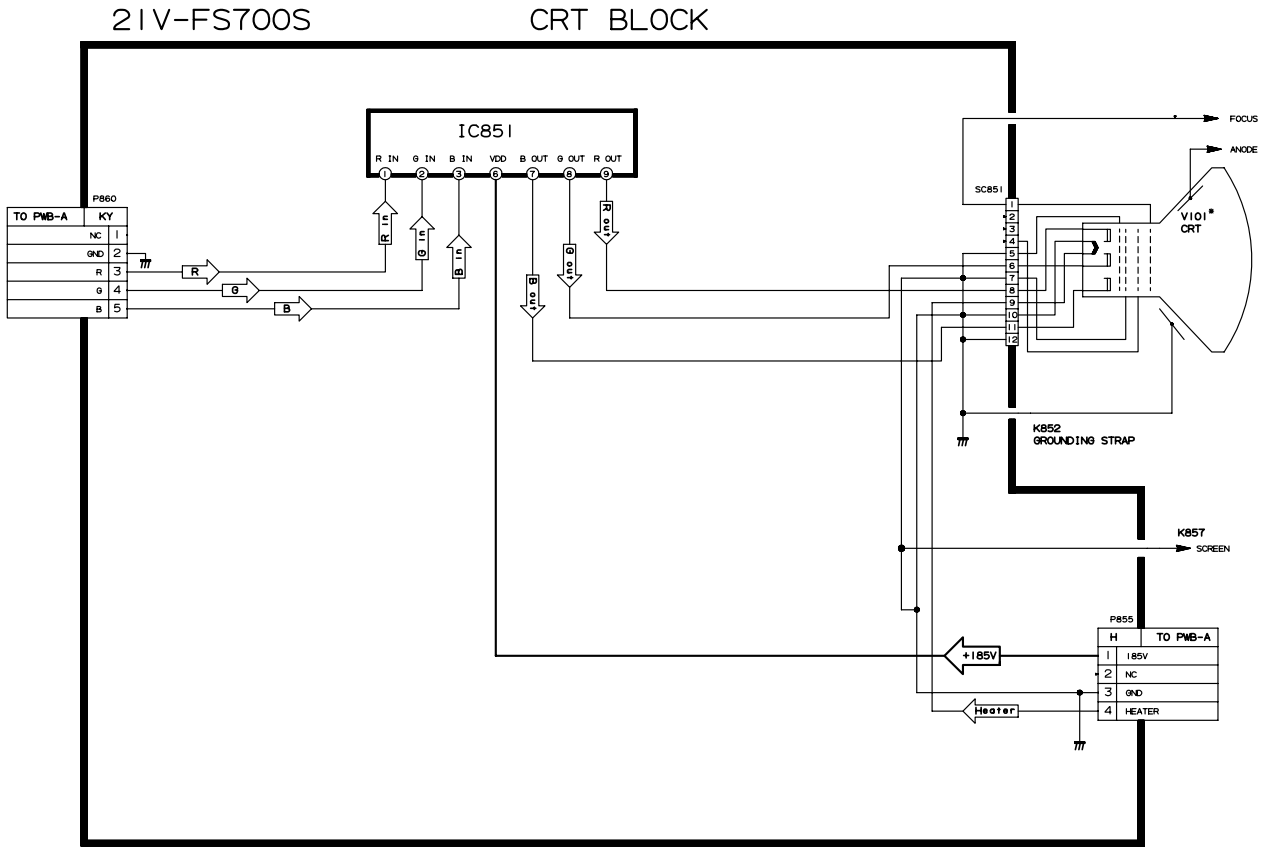


21V-FS700S



10	11	12	13	14	15	16	17	18	19

[2] BLOCK DIAGRAM: CRT UNIT



CHAPTER 9. DESCRIPTION OF SCHEMATIC DIAGRAM

[1] DESCRIPTION OF SCHEMATIC DIAGRAM

SAFETY NOTES:
1. DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.
2. SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASIS IS OPERATING.

IMPORTANT SAFETY NOTICE:
PARTS MARKED WITH " ⚠ " ( ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

SERVICE PRECAUTION:
THE AREA ENCLOSED BY THIS LINE (▬ ▬ ▬) IS DIRECTLY CONNECTED WITH AC MAINS VOLTAGE.
WHEN SERVICING THE AREA, CONNECT AN ISOLATING TRANSFORMER BETWEEN TV RECEIVER AND AC LINE TO ELIMINATE HAZARD OF ELECTRIC SHOCK.

CAUTION:
This circuit diagram is a standard one, prited circuits may be subject to change for product improvement without prior notice.

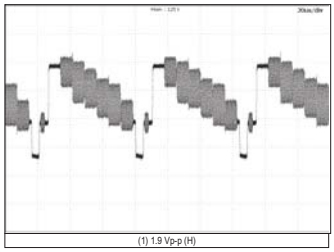
NOTES:
1. The unit of resistance "ohm" is omitted. (K = 1000 ohms, M = Meg ohm).
2. All resistors are 1/16 watt, unless otherwise noted.
3. All capacitors are µF, unless otherwise noted. (P = µµF).

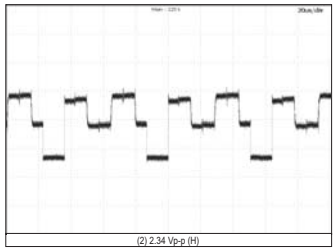
VOLTAGE MESUREMENT CONDITIONS:
1. Voltages in parenthesis measured with no signal .
2. Voltages without parenthesis measured with 3mV B & W or Colour signal.
3. All the voltages in each point are measured with VTVM.

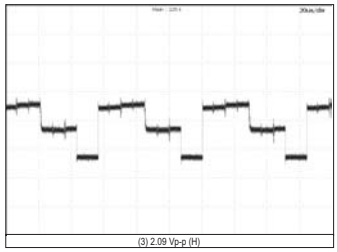
WAVEFORM MEASUREMENT CONDITIONS:
1. The colour bar generator signal applied at TU201, 2.0V peak to peak checked at pin (34) of IC 1001.
2. Approximately 4.0V AGC bias.

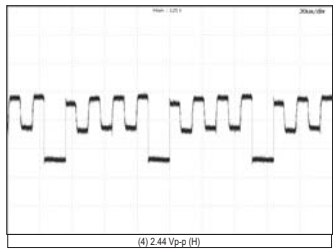
CHAPTER 10. WAVEFORMS

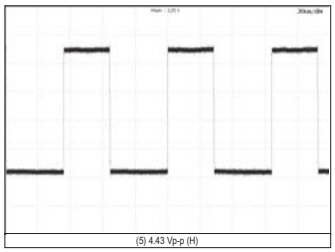
[1] WAVEFORMS

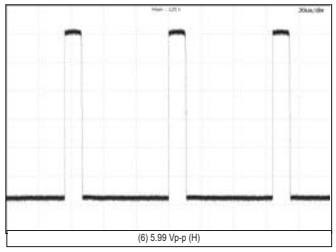

(1) 1.9 Vp-p (H)

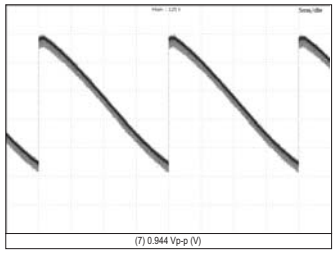

(2) 2.34 Vp-p (H)

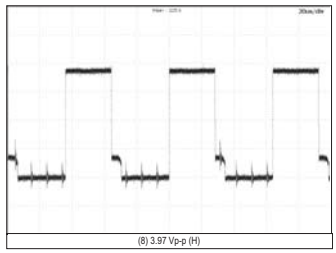

(3) 2.09 Vp-p (H)

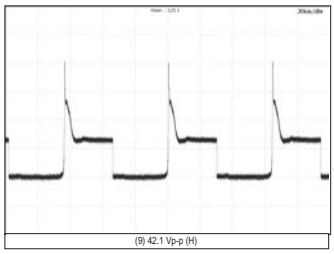

(4) 2.44 Vp-p (H)

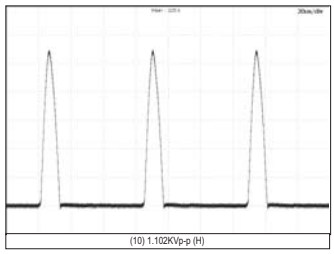

(5) 4.43 Vp-p (H)

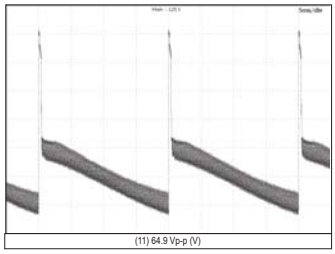

(6) 5.99 Vp-p (H)

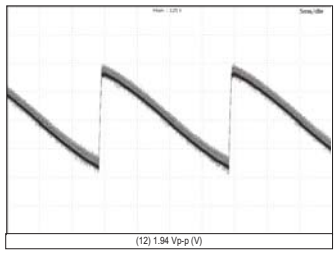

(7) 0.944 Vp-p (V)

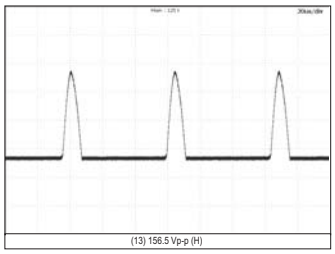

(8) 3.97 Vp-p (H)

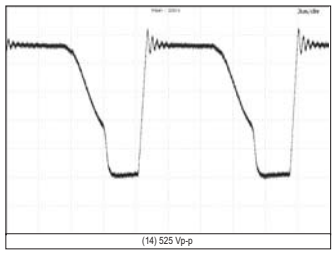

(9) 42.1 Vp-p (H)

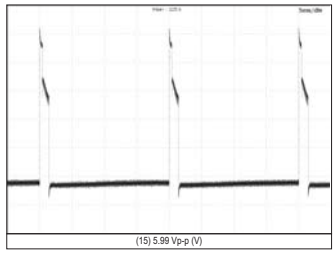

(10) 1.102KVp-p (H)

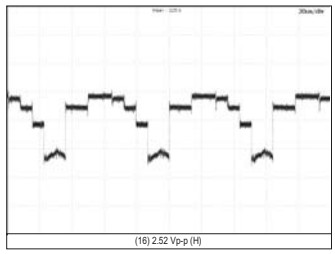

(11) 64.9 Vp-p (V)

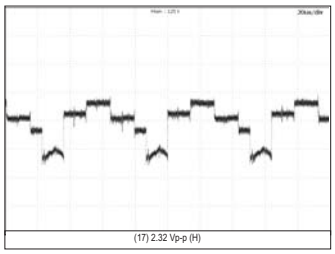

(12) 1.94 Vp-p (V)

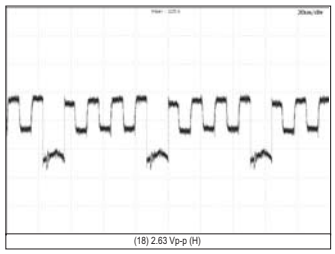

(13) 156.5 Vp-p (H)

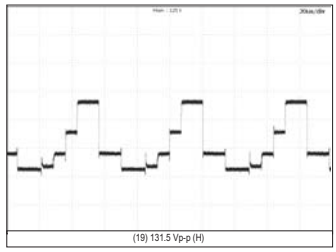

(14) 525 Vp-p

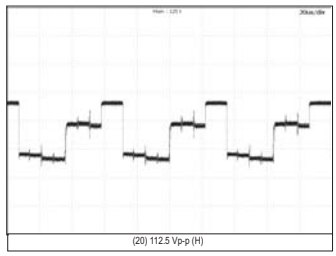

(15) 5.99 Vp-p (V)

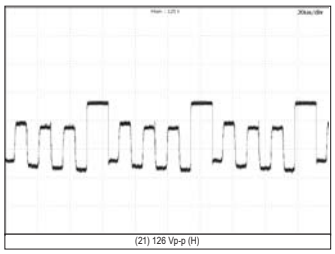

(16) 2.52 Vp-p (H)


(17) 2.32 Vp-p (H)


(18) 2.63 Vp-p (H)

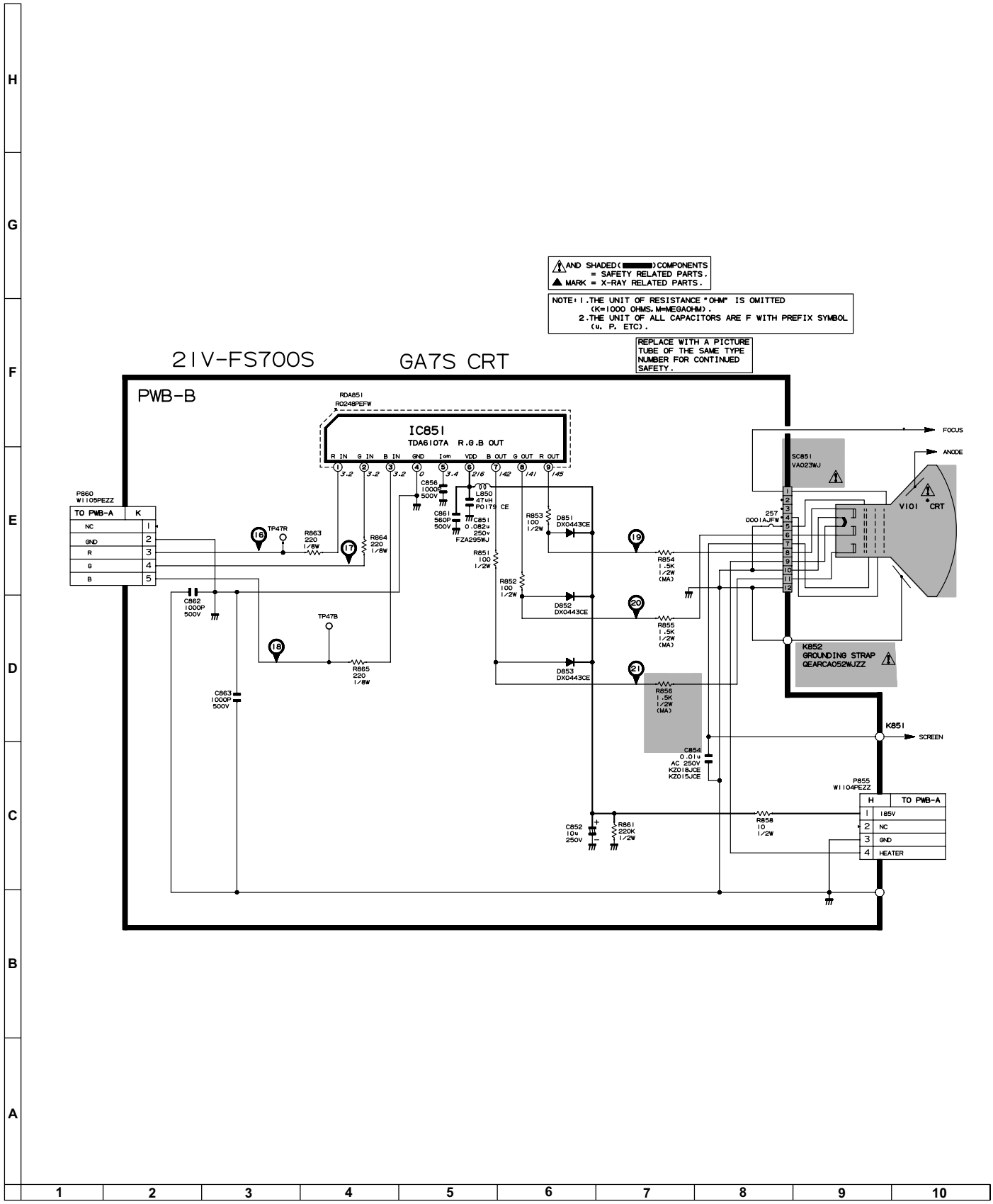

(19) 131.5 Vp-p (H)


(20) 112.5 Vp-p (H)

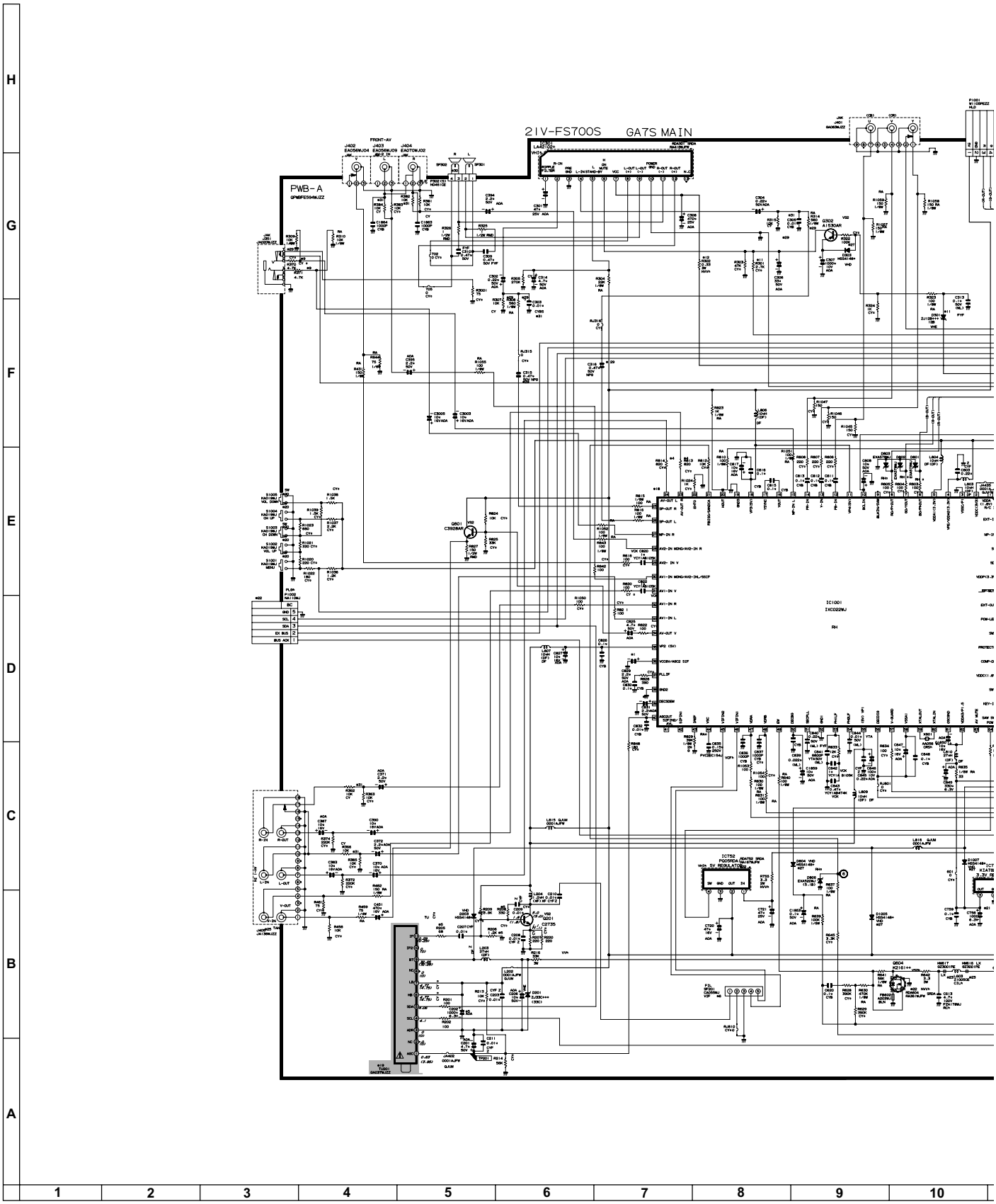

(21) 126 Vp-p (H)

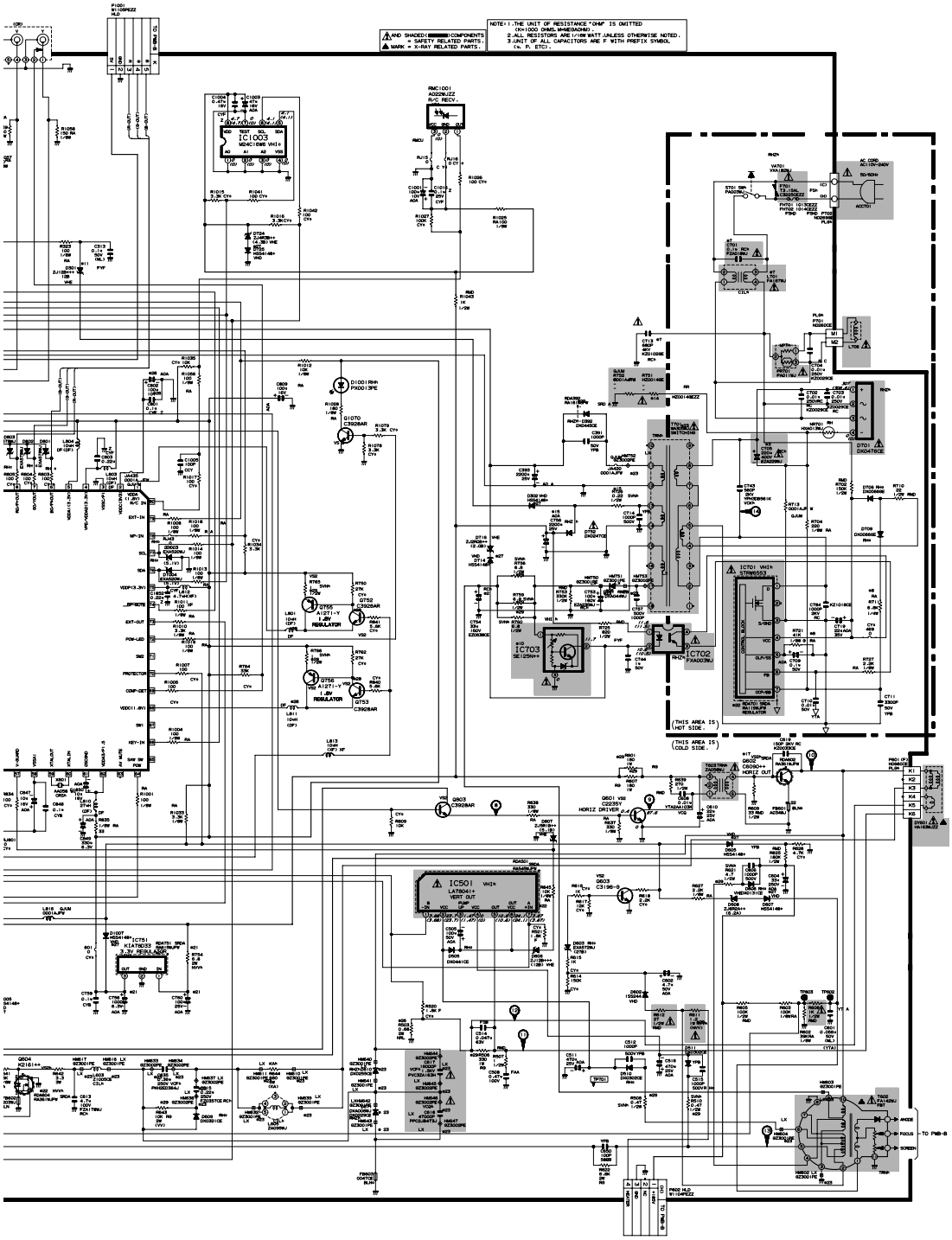
CHAPTER 11. SCHEMATIC DIAGRAM

[1] SCHEMATIC DIAGRAM: CRT UNIT



[2] SCHEMATIC DIAGRAM: MAIN UNIT

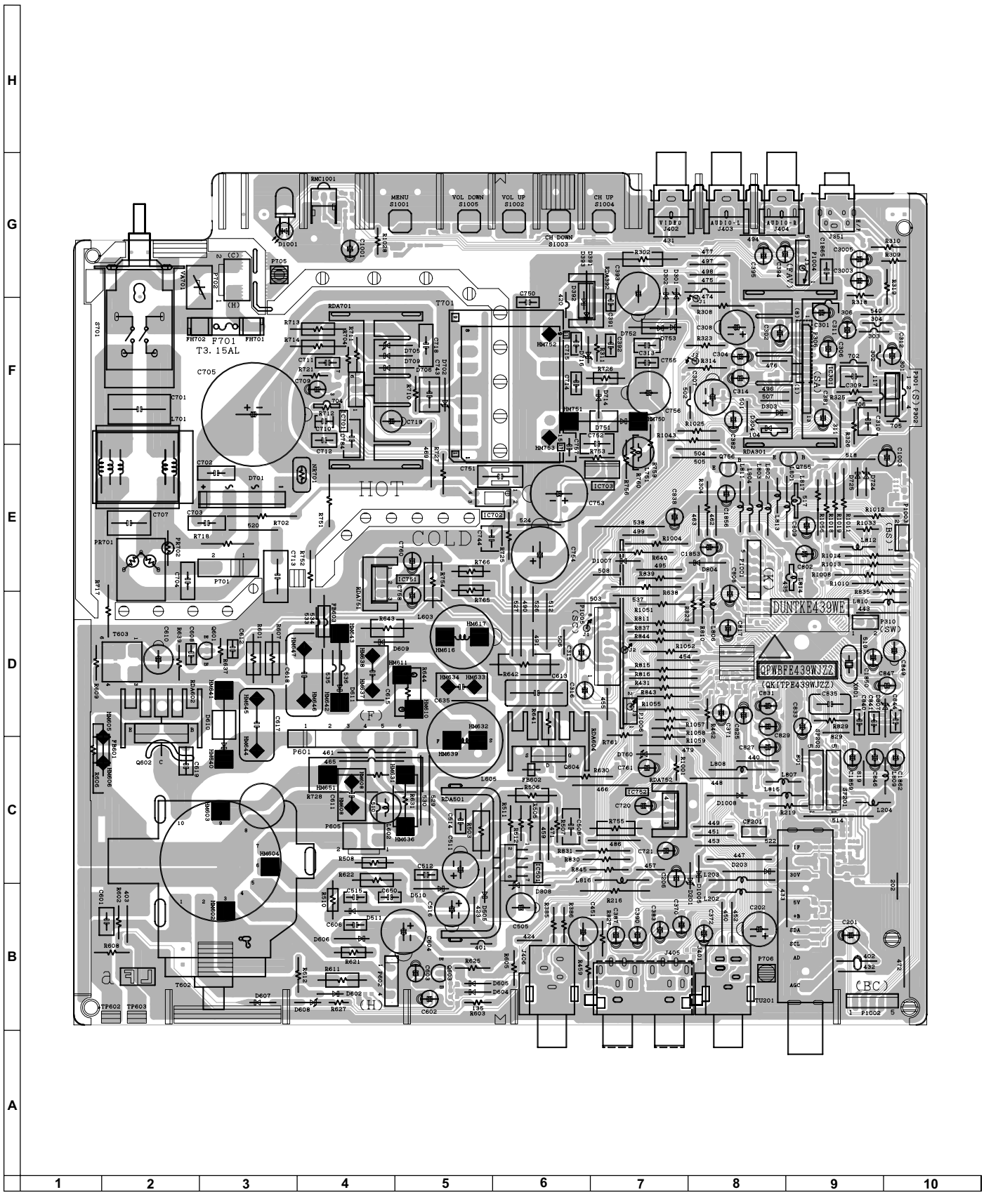




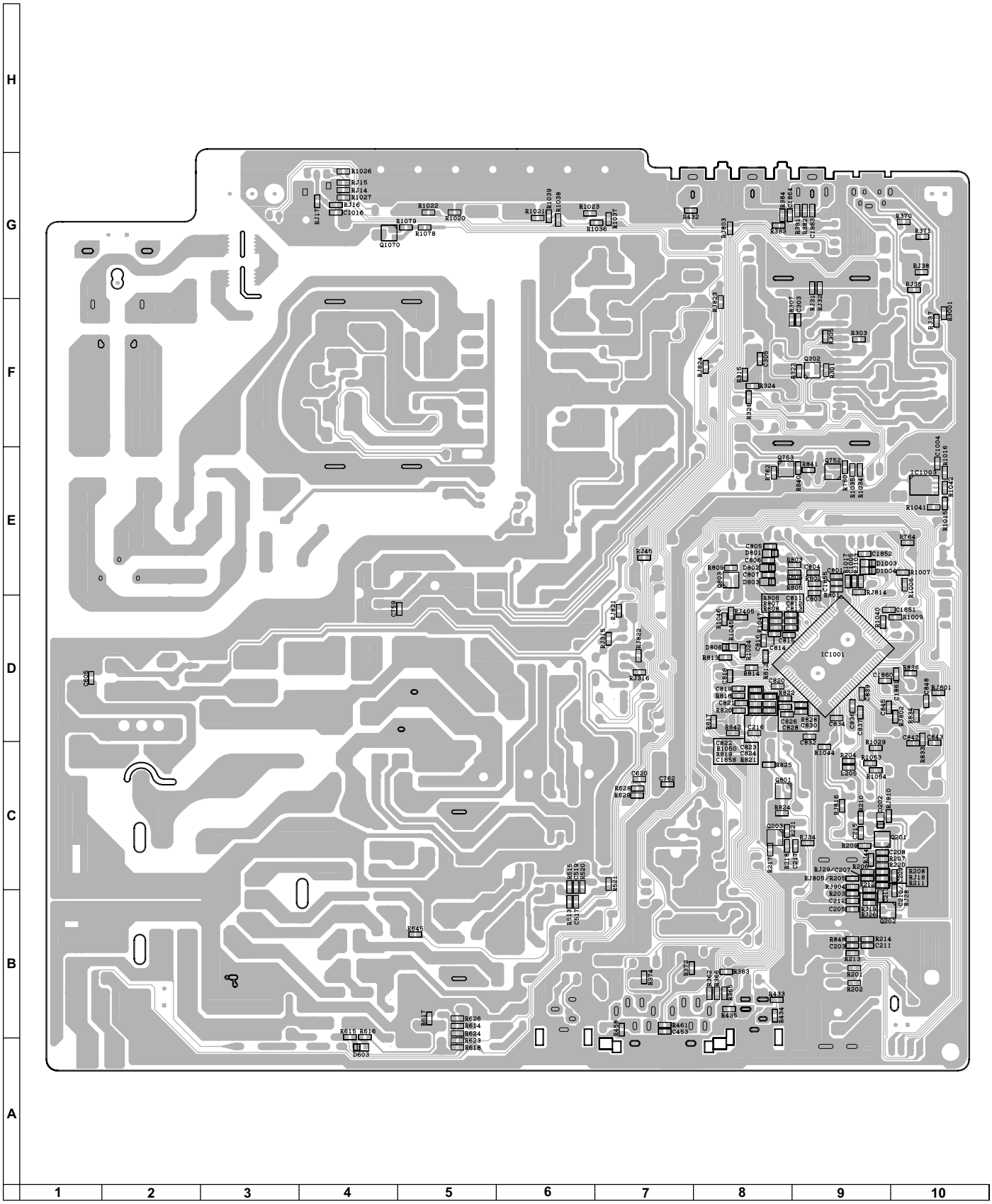
10	11	12	13	14	15	16	17	18	19

CHAPTER 12. PRINTED WIRING BOARD ASSEMBLIES

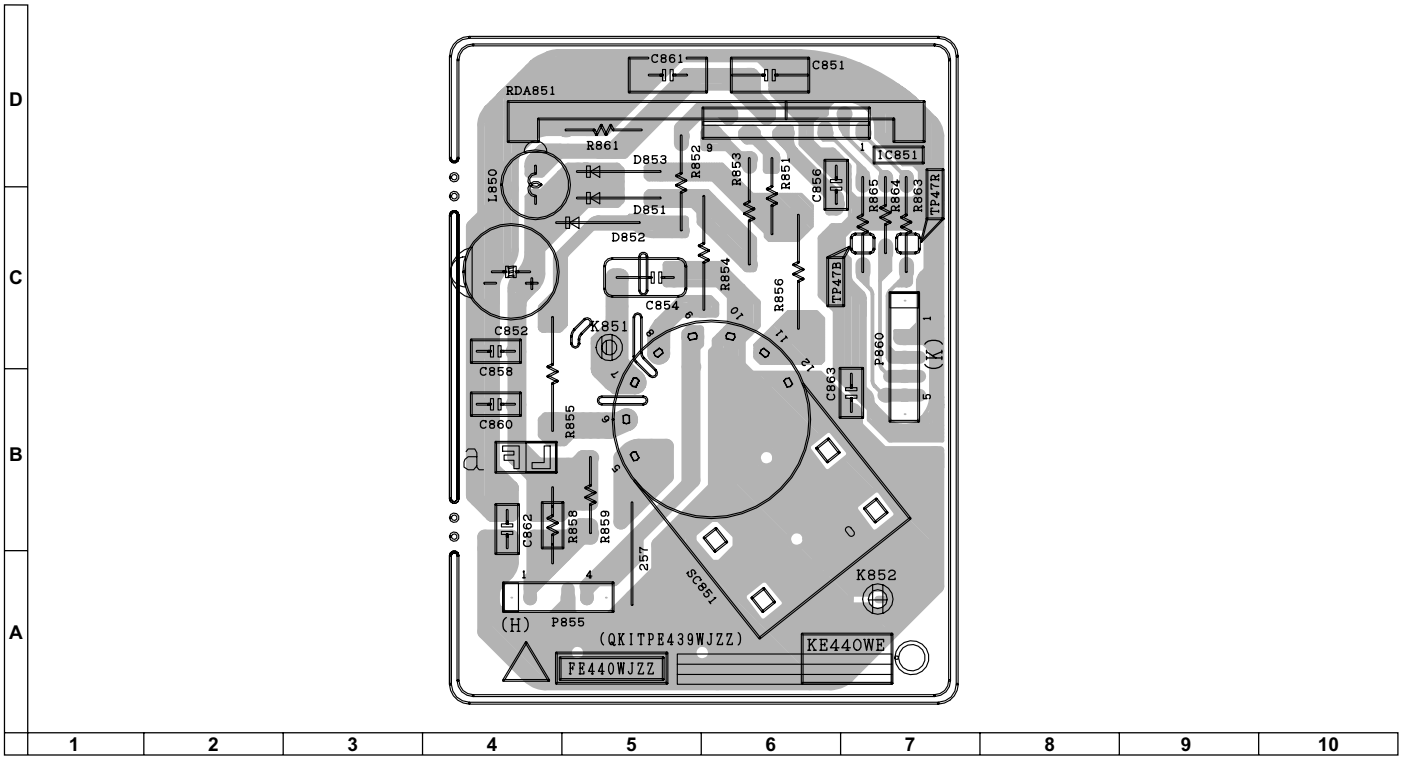
[1] PWB-A: MAIN PART SIDE



[2] PWB-A: MAIN CHIP SIDE



[3] PWB-B: CRT PART SIDE



SHARP PARTS GUIDE

No. S6810121VFS700S

MODEL 21V-FS700S

CONTENTS

[1] PICTURE TUBE

[2] PRINTED WIRING BOARD ASSEMBLIES

[3] MAIN UNIT

[4] CRT UNIT

[5] MISCELLANEOUS PARTS

[6] SUPPLIED ACCESSORIES

[7] CABINET PARTS

[8] PACKING PARTS

■ INDEX

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[1] PICTURE TUBE					
⚠	VB51QGT421X2E			R	ITC Picture Tube
⚠	RCILGA163WJZZ			R	Degaussing Coil
	QEARCA052WJZZ			R	Ground-Part
[2] PRINTED WIRING BOARD ASSEMBLIES					
	DUNTKE439WEB0	-		-	MAIN Unit
	DUNTKE440WEB0	-		-	CRT Unit
[3] MAIN UNIT					
⚠ TU201	RTUNQA037WJZZ			R	Tuner
IC301	VHILA42102+-1			R	I.C.
⚠ IC501	VHILA78041+-1			R	I.C.
⚠ IC701	VHISTRW6553-1	AM		R	I.C.
IC702	RH-FXA003WJZZ			R	I.C.
IC703	VHISE125N++-F			R	I.C.
IC751	VHIKIA78D33-1			R	I.C.
IC752	VHIPQ05RDA1-1			R	I.C.
IC1001	RH-IXC450WJZZQ			R	I.C.
IC1003	VHIM24C16W6-1Y			R	I.C.
Q201	VS2SC2735//-1Y			R	2SC2735
Q302	VS2SA1530AR-1Y	AB		R	2SA1530AR
Q601	VS2SC2235Y/1E+	AE		R	2SC2235
Q602	VS2SC6090++1E			R	2SC6090++
Q603	VS2SC3198-G-1+	AA		R	2SC3198
Q604	VS2SK2161++-1			R	2SK2161++
Q752	VS2SC3928AR-1Y	AB		R	2SC3928AR
Q753	VS2SC3928AR-1Y	AB		R	2SC3928AR
Q755	VS2SA1271-Y-1+			R	2SA1271-Y
Q756	VS2SA1271-Y-1+			R	2SA1271-Y
Q801	VS2SC3928AR-1Y	AB		R	2SC3928AR
Q803	VS2SC3928AR-1Y	AB		R	2SC3928AR
Q1070	VS2SC3928AR-1Y	AB		R	2SC3928AR
D201	VHEZJ33C+++1EY			R	Diode
D203	VHDHSS4148+-1Y	AA		R	Diode
D301	VHEZJ12B+++1EY			R	Diode
D302	VHDHSS4148+-1Y	AA		R	Diode
D303	VHDHSS4148+-1Y	AA		R	Diode
D392	RH-DX0445CEZZ	AC		R	Diode, DX0445CE
D505	RH-DX0441CEZZY	AC		R	Diode, DX0441CE
D510	RH-DX0302CEZZY	AC		R	Diode, DX0131CE
D511	RH-DX0302CEZZY	AC		R	Diode, DX0131CE
D602	VHD1SS244//-1Y	AB		R	Diode ,1SS244
D603	RH-EXA572WJZZY			R	Zener Diode
D605	VHDHSS4148+-1Y	AA		R	Diode
D606	RH-DX0131CEZZY	AC		R	Diode, DX0131CE
D607	VHDHSS4148+-1Y	AA		R	Diode
D608	VHEZJ6R2A++1EY			R	Zener Diode
D609	RH-DX0321CEZZY			R	Diode ,DX0321CE
D610	RH-DX0255CEZZ			R	Diode ,DX0255CE
D611	RH-DXA006WJZZ	AD		R	Diode, DXA006WJ
⚠ D701	RH-DX0476CEZZ	AG		R	Diode, DX0476CE
D706	RH-DX0066GEZZY	AC		R	Diode, DX0066GE
D709	RH-DX0066GEZZY	AC		R	Diode, DX0066GE
D714	VHDHSS4148+-1Y	AA		R	Diode
D716	VHEZJ2R0B++1EY			R	Zener Diode
D724	VHEZJ4R3B++1EY			R	Zener Diode
D725	VHDHSS4148+-1Y	AA		R	Diode
D751	RH-DXA006WJZZ	AD		R	Diode, DXA006WJ
D752	RH-DX0247CEZZ	AE		R	Diode, DX0247CE
D801	RH-EXA578WJZZY			R	Zener Diode 33V
D802	RH-EXA578WJZZY			R	Zener Diode 33V
D803	RH-EXA578WJZZY			R	Zener Diode 33V
D804	VHDHSS4148+-1Y	AA		R	Diode
D806	RH-EXA520WJZZY			R	Zener Diode 5.1V
D807	VHEZJ5R1B++1EY			R	Zener Diode
D808	VHEZJ12B+++1EY			R	
D1001	RH-PX0013PEZZ	AC		R	Photodiode
D1003	RH-EXA520WJZZY			R	Zener Diode 5.1V
D1004	RH-EXA520WJZZY			R	Zener Diode 5.1V
D1005	VHDHSS4148+-1Y	AA		R	Diode
D1007	VHDHSS4148+-1Y	AA		R	Diode
NR701	RH-HXA013WJZZ+			R	Thermistor
VA701	RH-VX0073CEZZ	AD		R	Varistor
PR701	RMPTP0011CEZZ	AL		R	Packaged Circuit
X801	RCRSAA058WJZZ	AF		R	Crystal
L802	VP-CF100K0000Y	AB		R	Peaking 10mH
L202	QJUM-0001AJFWY			R	Jumper Wire
L203	VP-DF270K0000Y	AB		R	Peaking 27mH
L204	VP-XF1R2K0000Y			R	Peaking 1.2mH
L603	RCILZ1005CEZZ	AD		R	Coil
L605	RCILZA095WJZZ	AD		R	Coil
L701	RCILFA187WJZZ	AD		R	Coil
L801	VP-DF100K0000Y	AB		R	Peaking 10mH
L803	VP-DF100K0000Y	AB		R	Peaking 10mH

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] MAIN UNIT					
L804	VP-DF100K0000Y	AB		R	Peaking 10mH
L806	VP-DF100K0000Y	AB		R	Peaking 10mH
L807	VP-DF100K0000Y	AB		R	Peaking 10mH
L809	VP-DF100K0000Y	AB		R	Peaking 10mH
L810	VP-DF270K0000Y	AB		R	Peaking 27mH
L811	VP-DF100K0000Y	AB		R	Peaking 10mH
L812	VP-XF4R7K0000Y	AB		R	Peaking 4.7mH
L813	VP-XF100K0000Y	AB		R	Peaking 10mH
L815	QJUM-0001AJFWY			R	Jumper Wire
L816	QJUM-0001AJFWY			R	Jumper Wire
L850	RCILP0179CEZZ+	AD		R	Coil
SF201	RFILCA055WJQZS			R	Filter
T602	RTRNFA142WJZZ	AV		R	H-Volt Transformer
T603	RTRNZA058WJZZ	AD		R	Transformer
T701	RTRNWA305WJZZ			R	Transformer
C201	VCEA0A1HW475M+	AB		R	47 50V Electrolytic
C202	VCEA0A0JW108M+	AC		R	1000 10V Electrolytic
C203	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C206	VCEA0A1HW106M+	AB		R	10 50V Electrolytic
C207	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C208	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C209	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C210	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C211	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C301	VCEA0A1EW476M+	AD		R	47 25V Electrolytic
C302	VCEA0A1HW224M+	AB		R	0.22 50V Electrolytic
C303	VCKYCY1HB103ZY	AA		R	0.01 50V Ceramic
C304	VCEA0A1HW224M+	AB		R	0.22 50V Electrolytic
C305	VCKYCY1HB103ZY	AA		R	0.01 50V Ceramic
C306	VCEA0A1HW336M+	AB		R	33 50V Electrolytic
C307	VCEA0A1AW108M+	AB		R	1000 10V Electrolytic
C308	VCEA0A1EW477M+	AD		R	470 25V Electrolytic
C309	VCFYFA1HA474J+	AE		R	0.47 50V Mylar
C310	VCFYFA1HA474J+	AE		R	0.47 50V Mylar
C313	VCFYFA1HA104J+	AB		R	0.1 50V Mylar
C314	VCEA0A1HW475M+	AB		R	47 50V Electrolytic
C315	VCE9GA1HW474M+			R	0.47 50V Alminium electrolytic
C316	VCE9GA1HW474M+			R	0.47 50V Alminium electrolytic
C370	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C371	VCEA0A1HW225M+	AB		R	2.2 50V Electrolytic
C372	VCEA0A1HW225M+	AB		R	2.2 50V Electrolytic
C383	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C387	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C390	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C391	VCKYPA1HB102K+	AA		R	1000p 50V Ceramic
C393	VCEA0A1EW228M+	AD		R	2200 25V Electrolytic
C394	VCEA0A1HW225M+	AB		R	2.2 50V Electrolytic
C395	VCEA0A1HW225M+	AB		R	2.2 50V Electrolytic
C451	VCEA0A1CW477M+	AC		R	470 16V Electrolytic
C505	VCEA0A1HW107M+	AB		R	100 50V Electrolytic
C508	VCFYAA2AA474J+	AD		R	0.47 100V Mylar
C511	VCEA0A1EW477M+	AB		R	470 25V Electrolytic
C512	VCKYPA2HB102K+	AA		R	1000p 500V Ceramic
C514	VCFYSA1JB473J+			R	
C515	VCKYPA1HB102K+	AA		R	1000p 50V Ceramic
C516	VCEA0A1EW477M+	AB		R	470 25V Electrolytic
C601	VCQYTA1HM563J+	AB		R	0.056 50 Mylar
C602	VCEA0A1HW475M+	AB		R	4.7 50V Electrolytic
C604	VCEA0A2EW336M+	AD		R	33 250V Electrolytic
C606	VCKYPA2HB102K+	AD		R	1000p 500V Ceramic
C608	VCQYTA2AA103K+	AC		R	0.01 100V Mylar
C610	VCEA0A1EW226M+	AB		R	22 25V Electrolytic
C613	RC-FZA178WJZZ			R	4.7uf 63V Metalic plastic film
C615	RC-FZ0357CEN1			R	220000pf 250V Metalic plastic film
C617	VCFPVC3ZA163H	AD		R	0.16 1.8KV Metalized Polypro Film
C618	VCQPPC2JB473J			R	47000pf 630V Plastic film
C619	RC-KZ0033CEZZ+			R	150pf 2000V Porcelain
C620	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C635	VCFPKH2ED364J			R	0.36uf 250V Metalic plastic film
C650	VCKYPA2HB101K+	AB		R	100p 500V Ceramic
C701	RC-FZA018WJZZ	AD		R	100000pf 275V Metalic plastic film
C702	RC-KZ0029CEZZ+	AC		R	0.01 250V Ceramic
C703	RC-KZ0029CEZZ+	AC		R	0.01 250V Ceramic
C704	RC-KZ0029CEZZ+	AC		R	0.01 250V Ceramic
C705	RC-EZA229WJZZ	AM		R	220uf 400V Alminium electrolytic
C709	VCEA0A1HW104M+	AB		R	0.1 50V Electrolytic
C710	VCQYTA1HM103J+	AB		R	0.01 50V Mylar
C711	VCKYPA1HB332K+	AB		R	3300p 50V Ceramic
C713	RC-KZ0102GEZZ	AE		R	680p 250V Ceramic
C714	VCKYPA2HB102K+	AC		R	1000p 500V Ceramic
C719	VCEA0A1VW226M+	AB		R	22 50V Electrolytic
C720	VCEA0A1CW476M+	AB		R	47 16V Electrolytic
C721	VCEA0A1EW476M+	AB		R	47 25V Electrolytic
C743	VCKYPH3DB561K	AC		R	560p 2KV Ceramic
C744	VCFYFAHA105J+			R	

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] MAIN UNIT					
C753	RC-EZA235WJZZ	AD		R	100 160V Electrolytic
C754	RC-EZA522WJZZ	AD		R	33 160V Electrolytic
C756	VCEA0A1EW228M+	AE		R	2200 25V Electrolytic
C757	VCKYPA2HB102K+	AC		R	1000p 500V Ceramic
C758	VCEA0A0JW108M+	AC		R	1000 10V Electrolytic
C759	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C760	VCEA0A1EW107M+	AB		R	100 25V Electrolytic
C784	RC-KZ1018CEZZ+	AC		R	1000p 2kV Ceramic
C801	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C802	VCEA0A1AW107M+	AC		R	100 10V Electrolytic
C803	VCKYCY1HF224ZY	AA		R	0.22 50V Ceramic
C808	VCEA0A1HW106M+	AB		R	10 50V Electrolytic
C809	VCEA0A1CW107M+	AB		R	100 16V Electrolytic
C811	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C812	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C813	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C815	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C816	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C817	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C820	VCKYCY1AB105KY	AA		R	1 10V Ceramic
C822	VCKYCY1AB105KY	AA		R	1 10V Ceramic
C825	VCEA0A1HW475M+	AB		R	4.7 50V Electrolytic
C826	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C827	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C829	VCEA0A1HW225M+	AB		R	2.2 50V Electrolytic
C830	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C831	VCEA0A1HW225M+	AB		R	2.2 50V Electrolytic
C832	VCKYCY1HB103KY	AA		R	0.01 50V Ceramic
C835	VCFPV2EC154J			R	
C836	VCKYCY1HB102KY	AA		R	1000p 50V Ceramic
C837	VCKYCY1HB102KY	AA		R	1000p 50V Ceramic
C839	VCKYCY1HB223ZY	AA		R	0.22 50V Ceramic
C840	VCFYFA1HA224J+	AA		R	0.22 50V Ceramic
C841	VCQYTA1HM682J+			R	6800pf 50V Plastic Film
C842	VCKYCY1AB105KY	AA		R	1 10V Ceramic
C843	VCKYCY1AB474KY	AB		R	0.47 10V Ceramic
C844	VCQYTA1HM103J+	AB		R	0.01 50V Mylar
C845	VCKYCY1HF224ZY	AA		R	0.22 50V Ceramic
C846	VCEA0A1AW107M+	AB		R	100 10V Electrolytic
C847	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C848	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C849	VCEA0A0JW337M+	AC		R	330 10V Electrolytic
C853	VCKYPA1HB271K+	AA		R	270p 50V Ceramic
C880	RC-KZ0016CEZZ	AC		R	10000p 1.5KV Ceramic
C893	VCEA0A1CW336M+	AC		R	33 16V Electrolytic
C1001	VCEA0A1AW107M+	AB		R	100 10V Electrolytic
C1003	VCEA0A1CW476M+	AB		R	47 16V Electrolytic
C1004	VCKYCY1CF474ZY	AB		R	0.47 16V Ceramic
C1005	VCCCCY1HH101JY	AA		R	100p 50V Ceramic
C1016	VCKYCY1EF104ZY	AA		R	0.1 25V Ceramic
C1850	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C1852	VCKYCY1HF224ZY	AA		R	0.22 50V Ceramic
C1853	VCEA0A1HW104M+	AB		R	0.1 50V Electrolytic
C1859	VCEA0A1HW106M+	AB		R	10 50V Electrolytic
C1863	VCKYCY1HB102KY	AA		R	1 50V Ceramic
C1864	VCKYCY1HB102KY	AA		R	1 50V Ceramic
C3003	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C3005	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
RJ15	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ16	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ31	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ103	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ315	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ316	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ405	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ801	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ802	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ810	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ814	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ821	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ822	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ823	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ824	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
R201	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R202	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R205	VRS-CY1JF680JY	AA		R	68 1/16W Metal Oxide
R206	VRS-CY1JF122JY	AA		R	1.2K 1/16W Metal Oxide
R207	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide
R208	VRS-CY1JF331JY	AA		R	330 1/16W Metal Oxide
R209	VRS-CY1JF392JY	AA		R	3.9K 1/16W Metal Oxide
R220	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide
R213	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R214	VRS-CY1JF563JY	AA		R	56K 1/16W Metal Oxide
R216	VRS-VV3LB333J	AC		R	33K 3W Metal Oxide
R301	VRS-CY1JF272JY	AA		R	2.7K 1/16W Metal Oxide

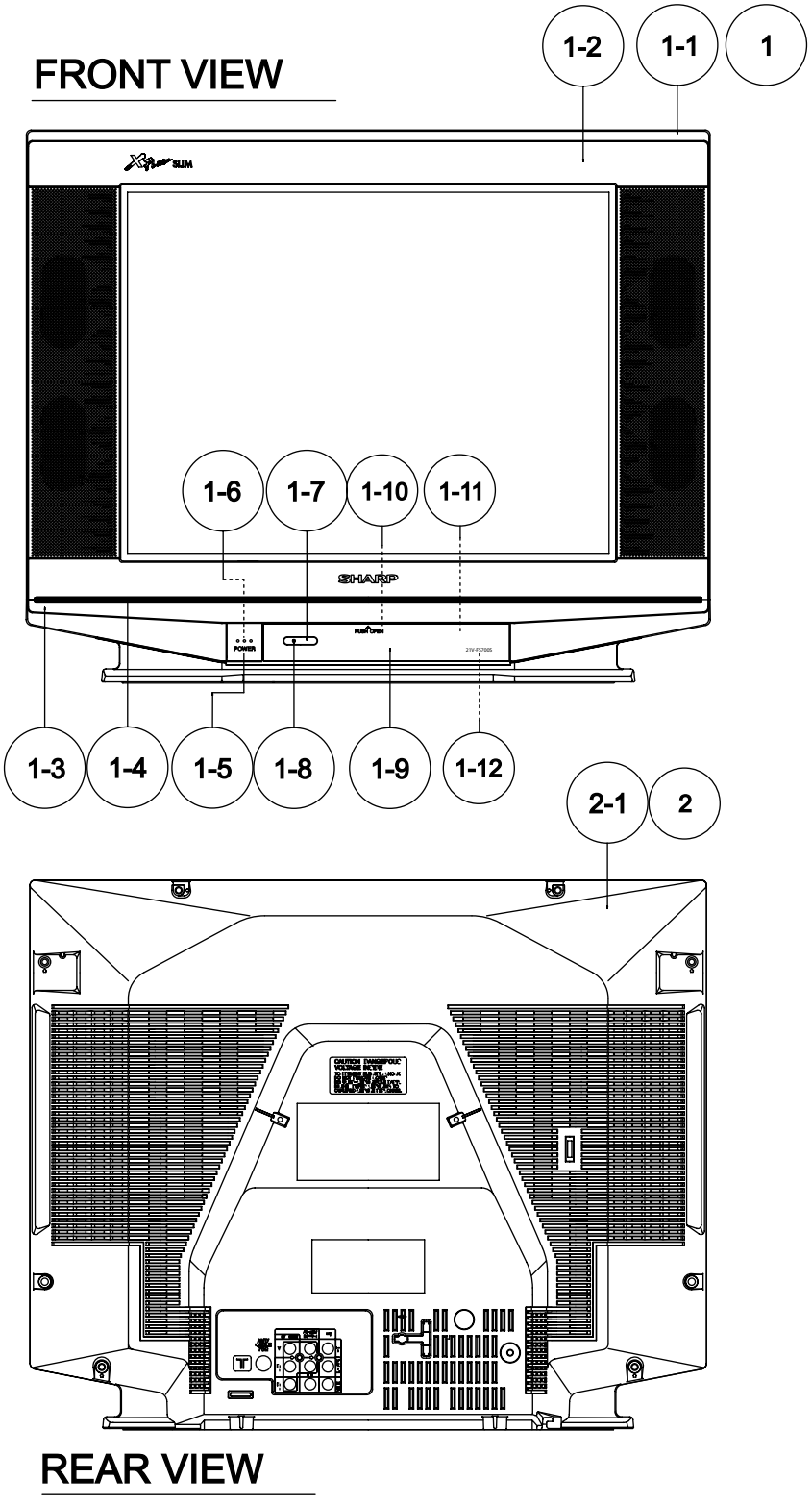
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] MAIN UNIT					
R302	VRN-RL3LBR33J+	AA		R	0.33 3W Metal Film
R303	VRS-CY1JF473JY	AA		R	47K 1/16W Metal Oxide
R304	VRD-RA2BE223JY	AA		R	22K 1/8W Carbon
R305	VRS-CY1JF274JY	AA		R	270K 1/16W Metal Oxide
R307	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R308	VRD-RA2BE560JY	AA		R	56 1/8W Carbon
R309	VRD-RA2BE103JY	AA		R	10K 1/8W Carbon
R310	VRD-RA2BE103JY	AA		R	10K 1/8W Carbon
R314	VRD-RA2BE560JY	AA		R	56 1/8W Carbon
R315	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R322	VRS-CY1JF104JY	AA		R	100K 1/16W Metal Oxide
R323	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R324	VRS-CY1JF102JY	AA		R	1K 1/16W Metal Oxide
R325	VRD-RM2HD1R0JY	AA		R	1 1/2W Carbon
R326	VRD-RM2HD1R0JY	AA		R	1 1/2W Carbon
R362	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R363	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R365	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R366	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R370	VRS-CY1JF472JY	AA		R	4.7K 1/16W Metal Oxide
R371	VRS-CY1JF472JY	AA		R	4.7K 1/16W Metal Oxide
R372	VRS-CY1JF224JY	AA		R	220K 1/16W Metal Oxide
R374	VRS-CY1JF224JY	AA		R	220K 1/16W Metal Oxide
R381	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R382	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R383	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R384	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R431	VRD-RA2BE151JY	AA		R	150 1/8W Carbon
R458	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R459	VRD-RA2EE750JY	AA		R	75 1/4W Carbon
R461	VRS-CY1JF750JY	AA		R	75 1/16W Metal Oxide
R462	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R503	VRN-RL3DBR68J+	AB		R	68 2W Metal Film
R506	VRS-RG3AB331J+	AB		R	330 1W Metal Film
R507	VRD-RM2HD1R0JY	AA		R	1 1/2W Carbon
R508	VRN-RL2HCR47J+	AB		R	47 1/2W Metal Oxide
R510	VRN-RL2HCR47J+	AB		R	47 1/2W Metal Oxide
R520	VRS-CY1JF182JY	AA		R	1.8K 1/16W Metal Oxide
R521	VRS-CY1JF182JY	AA		R	1.8K 1/16W Metal Oxide
R601	VRS-RG3AB181J+	AB		R	180 1W Metal Film
R602	VRD-RA2BE393JY	AA		R	39K 1/8W Carbon
R603	VRD-RA2BE104JY	AA		R	100K 1/8W Carbon
R605	VRD-RM2HD104JY	AA		R	100K 1/2W Carbon
R607	VRS-RG3AB181J+	AB		R	180 1W Metal Film
⚠ R608	VRD-RM2HD102JY	AA		R	1K 1/2W Carbon
R609	VRD-RM2H330JY	AA		R	33 1/2W Carbon
⚠ R611	VRN-RL3AB1R2J+	AB		R	1.2 1W Metal Film
⚠ R612	VRD-RM2HD270JY	AA		R	27 1/2W Carbon
R614	VRS-CY1JF154JY	AA		R	150K 1/16W Metal Oxide
R615	VRS-CY1JF102JY	AA		R	1K 1/16W Metal Oxide
R616	VRS-CY1JF102JY	AA		R	1K 1/16W Metal Oxide
R617	VRS-CY1JF123JY	AA		R	12K 1/16W Metal Oxide
R618	VRS-CY1JF222JY	AA		R	2.2K 1/16W Metal Oxide
R621	VRN-RL2HC4R7J+	AB		R	4.7 1/2W Metal Oxide
R622	VRS-RG3DB682J	AA		R	6.8K 2W Metal Oxide
R625	VRD-RM2HD184JY	AA		R	180K 1/2W Carbon
R626	VRS-CY1JF472JY	AA		R	4.7K 1/16W Metal Oxide
R627	VRD-RA2BE222JY	AA		R	2.2K 1/8W Carbon
R628	VRS-CY1JF394JY	AA		R	390K 1/16W Metal Oxide
R629	VRS-CY1JF394JY	AA		R	390K 1/16W Metal Oxide
R630	VRD-RA2BE474JY	AA		R	470K 1/2W Carbon
R637	VRD-RA2BE331JY	AA		R	330 1/8W Carbon
R638	VRD-RA2BE331JY	AA		R	330 1/8W Carbon
R639	VRD-RM2HD271JY	AA		R	270 1/2W Carbon
R640	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R641	VRD-RA2BE563JY	AA		R	56K 1/8W Carbon
R642	VRN-VV3LB3R3J			R	3.3 3W Metal Oxide
R643	VRS-RG3DB103J+	AA		R	10K 2W Metal Oxide
R644	VRS-KA3HG681J			R	680 5W Metal Film
R645	VRS-CY1JF332JY	AA		R	3.3K 1/16W Metal Oxide
R702	VRD-RM2HD154JY	AA		R	150 1/2W Carbon
R704	VRD-RA2BE221JY	AA		R	220 1/8W Carbon
R710	VRD-RM2HD220JY	AA		R	22 1/2W Carbon
R711	VRD-RA2EE682JY	AA		R	6.8K 1/4W Carbon
R713	QJUM-0001AJFWY			R	Jumper Wire
R721	VRD-RA2BE413JY	AA		R	41K 1/8W Carbon
R725	VRD-RM2HD821JY	AA		R	820 1/2W Carbon
R726	VRN-RL2HCR22J+	AB		R	0.22 1/2W Metal Oxide
R727	VRD-RA2BE222JY	AA		R	2.2K 1/8W Carbon
R750	VRS-CY1JF273JY	AA		R	27K 1/16W Metal Oxide
⚠ R751	RR-HZ0014GEZZY	AA		R	8.2M 1/2W Solid
⚠ R752	QJUM-0001AJFWY			R	Jumper Wire
R753	VRD-RM2HD334JY	AA		R	330K 1/2W Carbon
R754	VRS-VV3DB6R8J	AA		R	6.8 2W Metal Oxide
R755	VRN-VV3DB3R3J+	AA		R	3.3 2W Metal Oxide

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] MAIN UNIT					
R756	VRN-RL2HC6R8J	AB		R	6.8 1/2W Metal Oxide
R759	VRN-RL2HC6R8J	AB		R	6.8 1/2W Metal Oxide
R760	VRN-RL2HC6R8J	AB		R	6.8 1/2W Metal Oxide
R762	VRS-CY1JF273JY	AA		R	27K 1/16W Metal Oxide
R764	VRS-CY1JF333JY	AA		R	33K 1/16W Metal Oxide
R765	VRN-RL2HC1R0J+	AB		R	1 1/2W Metal Oxide
R766	VRN-RL2HC1R0J+	AB		R	1 1/2W Metal Oxide
R803	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R804	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R805	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R806	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide
R807	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide
R808	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide
R809	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R810	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R812	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R813	VRS-CY1JF821JY	AA		R	82 1/16W Metal Oxide
R814	VRS-CY1JF821JY	AA		R	82 1/16W Metal Oxide
R815	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R816	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R818	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R820	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R821	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R822	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R823	VRD-RA2BE102JY	AA		R	1k 1/8W Carbon
R824	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R825	VRS-CY1JF333JY	AA		R	33K 1/16W Metal Oxide
R827	VRD-RM2HD151JY	AA		R	150 1/2W Carbon
R828	VRS-CY1JF391JY	AA		R	390 1/16W Metal Oxide
R829	VRD-RA2BE393GY	AA		R	39K 1/8W Carbon
R830	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R831	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R833	VRS-CY1JF123JY	AA		R	12K 1/16W Metal Oxide
R834	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R835	VRD-RA2BE330JY	AA		R	33 1/8W Carbon
R837	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R839	VRD-RA2BE104JY	AA		R	100K 1/8W Carbon
R840	VRS-CY1JF562JY	AA		R	5.6 1/16W Metal Oxide
R841	VRS-CY1JF562JY	AA		R	5.6 1/16W Metal Oxide
R842	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R843	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R844	VRD-RA2BE750JY	AA		R	75 1/8W Carbon
R845	VRD-RA2BE103JY	AA		R	10K 1/8W Carbon
R848	VRS-CY1JF181JY	AA		R	180 1/16W Metal Oxide
R1001	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1004	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1006	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1007	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1008	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1010	VRD-RA2BE332JY	AA		R	3.3K 1/8W Carbon
R1011	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1012	VRD-RA2BE103JY	AA		R	10K 1/8W Carbon
R1013	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1014	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1015	VRS-CY1JF332JY	AA		R	3.3K 1/16W Metal Oxide
R1016	VRS-CY1JF332JY	AA		R	3.3K 1/16W Metal Oxide
R1017	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1018	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1019	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1020	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide
R1021	VRS-CY1JF331JY	AA		R	330 1/16W Metal Oxide
R1022	VRS-CY1JF181JY	AA		R	180 1/16W Metal Oxide
R1023	VRS-CY1JF681JY	AA		R	680 1/16W Metal Oxide
R1024	VRS-CY1JF102JY	AA		R	1 1/16W Metal Oxide
R1025	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1026	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1027	VRS-CY1JF104JY	AA		R	100K 1/16W Metal Oxide
R1028	VRD-RA2BE181JY	AA		R	180 1/8W Carbon
R1033	VRD-RA2BE332JY	AA		R	3.3K 1/8W Carbon
R1034	VRS-CY1JF332JY	AA		R	3.3K 1/16W Metal Oxide
R1035	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R1036	VRS-CY1JF122JY	AA		R	1.2K 1/16W Metal Oxide
R1037	VRS-CY1JF222JY	AA		R	2.2K 1/16W Metal Oxide
R1038	VRS-CY1JF152JY	AA		R	1.5K 1/16W Metal Oxide
R1039	VRS-CY1JF152JY	AA		R	1.5K 1/16W Metal Oxide
R1041	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1042	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1043	VRD-RM2HD102JY	AA		R	1 500V Carbon
R1045	VRS-CY1JF151JY	AA		R	150 1/16W Metal Oxide
R1046	VRS-CY1JF151JY	AA		R	150 1/16W Metal Oxide
R1047	VRS-CY1JF151JY	AA		R	150 1/16W Metal Oxide
R1050	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1051	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1052	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1053	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] MAIN UNIT					
R1054	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1055	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1056	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1057	VRD-RA2BE151JY	AA		R	150 1/8W Carbon
R1058	VRD-RA2BE151JY	AA		R	150 1/8W Carbon
R1059	VRD-RA2BE151JY	AA		R	150 1/8W Carbon
R1078	VRS-CY1JF332JY	AA		R	3.3K 1/16W Metal Oxide
R1079	VRS-CY1JF332JY	AA		R	3.3K 1/16W Metal Oxide
R3001	VRS-CY1JF750JY	AA		R	75 1/16W Metal Oxide
S701	QSW-PA003WJZZ	AG		R	Switch , POWER
S1001	QSW-KA019WJZZ+	AC		R	Switch , CH UP
S1002	QSW-KA019WJZZ+	AC		R	Switch , CH DOWN
S1003	QSW-KA019WJZZ+	AC		R	Switch , VOL UP
S1004	QSW-KA019WJZZ+	AC		R	Switch , VOL DOWN
S1005	QSW-KA019WJZZ+	AC		R	Switch , MENU
⚠ F701	QFS-C3225CEZZ	AC		R	Fuse , 3.15A 250V
FH701	QFSHD1013CEZZ+	AC		R	Fuse Holder
FH702	QFSHD1014CEZZ+	AC		R	Fuse Holder
J3	VW7UGB-190KK			R	Jumper Wire
J351	QJAKJA018WJZZ			R	Jack
J401	QJAKGA083WJZZ			R	Jack
J402	QJAKEA056WJ04			R	Jack
J403	QJAKEA056WJ09			R	Jack
J404	QJAKEA070WJ02			R	Jack
J405	QTANJA080WJZZ			R	Jack
JA435	QJUM-0001AJFWY			R	Jumper Wire
JA504	QJUM-0001AJFWY			R	Jumper Wire
JA505	QJUM-0001AJFWY			R	Jumper Wire
P302	QPLGN0461CEZZA	AB		R	Plug , 4Pin (S)
P601	QPLGN0660CEZZ	AC		R	Plug , 6Pin (F)
P602	LHLDW1104PEZZ	AB		R	Plug
P701	QPLGN0260CEZZ	AC		R	Plug ,2Pin (M)
P702	QPLGN0269GEZZ	AB		R	Plug ,2Pin
P1001	LHLDW1105PEZZ	AB		R	Plug
P1002	QPLGNA110WJZZ	AB		R	Plug
RMC1001	RRMCUA022WJZZ	AG		R	Remote Receiver
RDA301	PRDARA418WJFW	AC		R	Heat Sink for IC301
RDA392	PRDARA181WJFW			R	Heat Sink for D392
RDA501	PRDARA545WJFW	AD		R	Heat Sink for IC501
RDA602	PRDARA361WJFW			R	Heat Sink for Q602
RDA604	PRDARA361WJFW			R	Heat Sink for Q604
RDA701	PRDARA119WJFW	AF		R	Heat Sink for IC701
RDA751	PRDARA615WJFW			R	Heat Sink for IC751
RDA752	PRDARA167WJFW			R	Heat Sink for IC752
[4] CRT UNIT					
IC851	VHITDA6107A-1			R	I.C.
D851	RH-DX0443CEZZY			R	Diode
D852	RH-DX0443CEZZY			R	Diode
D853	RH-DX0443CEZZY			R	Diode
C851	VCKYPA1HB561K+	AA		R	560p 50V Ceramic
C852	VCKYPA1HB391K+	AA		R	390p 50V Ceramic
C854	RC-KZ018JCEZZ			R	10000pf 250V Porcelain
C856	VCKYPA2HB102K+	AB		R	1 500V Ceramic
C861	VCKYPA2HB561K+	AB		R	560p 500V Ceramic
C862	VCKYPA2HB102K+	AB		R	1 500V Ceramic
C863	VCKYPA2HB102K+	AB		R	1 500V Ceramic
C851	RC-FZA295WJZZ+			R	0.082u 250v Metalic Plastic Film
C852	VCEA0A2EW106M+	AB		R	10 250V Electrolytic
R851	VRD-RM2HD101JY	AA		R	100 500V Carbon
R852	VRD-RM2HD101JY	AA		R	100 500V Carbon
R853	VRD-RM2HD101JY	AA		R	100 500V Carbon
R854	VRC-MA2HG152KY			R	1.5K 0.5W Solid
R855	VRC-MA2HG152KY			R	1.5K 0.5W Solid
R856	VRC-MA2HG152KY			R	1.5K 0.5W Solid
R858	VRS-RG2HC100J+			R	10 0.5W Metal Film
⚠ R861	VRD-RM2HD224JY	AA		R	220K 500V Carbon
⚠ R863	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide
R864	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide
R865	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide
P855	LHLDW1104PEZZ	AB		R	Plug 4Pin (H)
P860	LHLDW1105PEZZ	AB		R	Plug 5Pin (K)
RDA851	PRDAR0248PEFW			R	Heat Sink for IC851
SC851	QSOCVA023WJZZ	AE		R	Socket , 12Pin
[5] MISCELLANEOUS PARTS					
⚠ ACC701	QACCZA091WJPZ			R	AC Cord
SP301	VSP9050PA05YA			R	SPEAKER
	QCNW-G288WJPZ			R	SP WIRE (+--+)
	QCNW-A343WJZZ	AD		R	H-WIRE
	QCNW-A788WJPZ	AD		R	K-WIRE

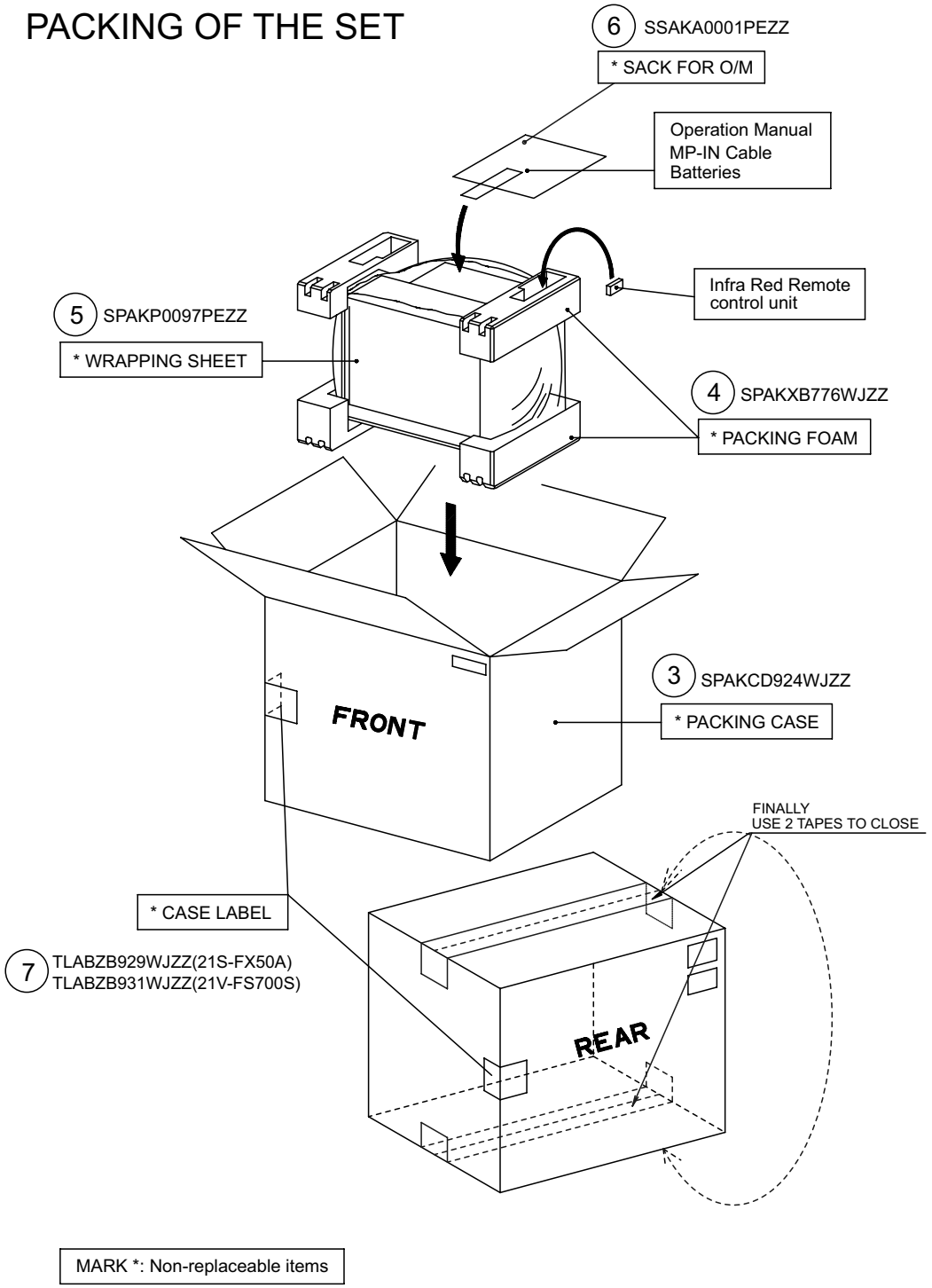
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[6] SUPPLIED ACCESSORIES					
	RRMCGA571WJSA	AN		R	Infrared Remote Control Unit
	TINS-D664WJZZ	-		R	Operation Manual (ENG)
	UBATUA004WJZZ	-		R	Battery

[7] CABINET PARTS



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[7] CABINET PARTS					
1	CCABAB974WEV8	-		R	Front Cabinet Ass'y
1-1	Not Available	-		-	Front Cabinet
1-2	Not Available	-		-	Top Panel
1-3	Not Available	-		-	Bottom Panel
1-4	Not Available	-		-	AL Decoration Plate
1-5	JBTN-A712WJSA	-		R	Power Button
1-6	MSPRC0005PEFW	-		R	Power Button Spring
1-7	HDECQA848WJSA	-		R	RC Cover Decoration (BLACK)
1-8	GCOVAC579WJSA	-		R	RC Cover
1-9	GDORFA238WJSA	-		R	Door
1-10	PKAI-0002PE00	-		R	Door Latch
1-11	HINDPC875WJSA	-		R	Indication Plate
1-12	TLABZB947WJZZ	-		R	AV Label
2	CCABBB225WEV0	-		R	Rear Cabinet Ass'y
2-1	Not Available	-		-	Rear Cabinet

[8] PACKING PARTS



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[8] PACKING PARTS					
3	SPAKCD924WJZZ	-		-	Packing Case
4	SPAKXB776WJZZ	-		-	Packing Foam
5	SPAKP0097PEZZ	-		-	Wrapping Sheet
6	SSAKA0001PEZZ	-		-	Sack For O/M
7	TLABZB931WJZZ	-		-	Case Label

■INDEX

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
【 C 】				
CCABAB974WEV8	7-1	-		R
CCABBB225WEV0	7-2	-		R
【 D 】				
DUNTKE439WEB0	2-	-		-
DUNTKE440WEB0	2-	-		-
【 G 】				
GCOVAC579WJSA	7-1-8	-		R
GDORFA238WJSA	7-1-9	-		R
【 H 】				
HDECQA848WJSA	7-1-7	-		R
HiNDPC875WJSA	7-1-11	-		R
【 J 】				
JBTN-A712WJSA	7-1-5	-		R
【 L 】				
LHLDW1104PEZZ	3-P602	AB		R
〃	4-P855	AB		R
LHLDW1105PEZZ	3-P1001	AB		R
〃	4-P860	AB		R
【 M 】				
MSPRC0005PEFW	7-1-6	-		R
【 N 】				
Not Available	7-1-1	-		-
〃	7-1-2	-		-
〃	7-1-3	-		-
〃	7-1-4	-		-
〃	7-2-1	-		-
【 P 】				
PKAi-0002PE00	7-1-10	-		R
PRDAR0248PEFW	4-RDA851			R
PRDARA119WJFW	3-RDA701	AF		R
PRDARA167WJFW	3-RDA752			R
PRDARA181WJFW	3-RDA392			R
PRDARA361WJFW	3-RDA602			R
〃	3-RDA604			R
PRDARA418WJFW	3-RDA301	AC		R
PRDARA545WJFW	3-RDA501	AD		R
PRDARA615WJFW	3-RDA751			R
【 Q 】				
QACCZA091WJPZ	5-ACC701			R
QCNW-A343WJZZ	5-	AD		R
QCNW-A788WJPZ	5-	AD		R
QCNW-G288WJPZ	5-			R
QEARCA052WJZZ	1-			R
QFS-C3225CEZZ	3-F701	AC		R
QFSHD1013CEZZ+	3-FH701	AC		R
QFSHD1014CEZZ+	3-FH702	AC		R
QJAKEA056WJ04	3-J402			R
QJAKEA056WJ09	3-J403			R
QJAKEA070WJ02	3-J404			R
QJAKGA083WJZZ	3-J401			R
QJAKJA018WJZZ	3-J351			R
QJUM-0001AJFWY	3-L202			R
〃	3-L815			R
〃	3-L816			R
〃	3-R713			R
〃	3-R752			R
〃	3-JA435			R
〃	3-JA504			R
〃	3-JA505			R
QPLGN0260CEZZ	3-P701	AC		R
QPLGN0269GEZZ	3-P702	AB		R
QPLGN0461CEZZA	3-P302	AB		R
QPLGN0660CEZZ	3-P601	AC		R
QPLGNA110WJZZ	3-P1002	AB		R
QSOCVA023WJZZ	4-SC851	AE		R
QSW-KA019WJZZ+	3-S1001	AC		R
〃	3-S1002	AC		R
〃	3-S1003	AC		R
〃	3-S1004	AC		R
〃	3-S1005	AC		R
QSW-PA003WJZZ	3-S701	AG		R
QTANJA080WJZZ	3-J405			R
【 R 】				
RC-EZA229WJZZ	3-C705	AM		R
RC-EZA235WJZZ	3-C753	AD		R
RC-EZA522WJZZ	3-C754	AD		R
RC-FZ0357CEN1	3-C615			R
RC-FZA018WJZZ	3-C701	AD		R
RC-FZA178WJZZ	3-C613			R
RC-FZA295WJZZ+	4-C851			R
RCiLFA187WJZZ	3-L701	AD		R
RCiLGA163WJZZ	1-			R
RCiLP0179CEZZ+	3-L850	AD		R
RCiLZ1005CEZZ	3-L603	AD		R
RCiLZA095WJZZ	3-L605	AD		R
RC-KZ0016CEZZ	3-C880	AC		R
RC-KZ0029CEZZ+	3-C702	AC		R
〃	3-C703	AC		R
〃	3-C704	AC		R
RC-KZ0033CEZZ+	3-C619			R
RC-KZ0102GEZZ	3-C713	AE		R
RC-KZ018JCEZZ	4-C854			R
RC-KZ1018CEZZ+	3-C784	AC		R
RCRSAA058WJZZ	3-X801	AF		R
RFiLCA055WJQZS	3-SF201			R
RH-DX0066GEZZY	3-D706	AC		R
〃	3-D709	AC		R
RH-DX0131CEZZY	3-D606	AC		R
RH-DX0247CEZZ	3-D752	AE		R
RH-DX0255CEZZ	3-D610			R
RH-DX0302CEZZY	3-D510	AC		R
〃	3-D511	AC		R
RH-DX0321CEZZY	3-D609			R
RH-DX0441CEZZY	3-D505	AC		R
RH-DX0443CEZZY	4-D851			R
〃	4-D852			R
〃	4-D853			R
RH-DX0445CEZZ	3-D392	AC		R
RH-DX0476CEZZ	3-D701	AG		R
RH-DXA006WJZZ	3-D611	AD		R
〃	3-D751	AD		R
RH-EXA520WJZZY	3-D806			R
〃	3-D1003			R
〃	3-D1004			R
RH-EXA572WJZZY	3-D603			R
RH-EXA578WJZZY	3-D801			R
〃	3-D802			R
〃	3-D803			R
RH-FXA003WJZZ	3-iC702			R
RH-HXA013WJZZ+	3-NR701			R
RH-iXC450WJZZQ	3-iC1001			R
RH-PX0013PEZZ	3-D1001	AC		R
RH-VX0073CEZZ	3-VA701	AD		R
RMPTP0011CEZZ	3-PR701	AL		R
RR-HZ0014GEZZY	3-R751	AA		R
RRMCGA571WJSA	6-	AN		R
RRMCUA022WJZZ	3-RMC1001	AG		R
RTRNFA142WJZZ	3-T602	AV		R
RTRNWA305WJZZ	3-T701			R
RTRNZA058WJZZ	3-T603	AD		R
RTUNQA037WJZZ	3-TU201			R
【 S 】				
SPAKCD924WJZZ	8-3	-		-
SPAKP0097PEZZ	8-5	-		-
SPAKXB776WJZZ	8-4	-		-
SSAKA0001PEZZ	8-6	-		-
【 T 】				
TiNS-D664WJZZ	6-	-		R
TLABZB931WJZZ	8-7	-		-
TLABZB947WJZZ	7-1-12	-		R
【 U 】				
UBATUA004WJZZ	6-	-		R
【 V 】				
VB51QGT421X2E	1-			R
VCCCCY1HH101JY	3-C1005	AA		R
VCE9GA1HW474M+	3-C315			R
〃	3-C316			R
VCEA0A0JW108M+	3-C202	AC		R
〃	3-C758	AC		R
VCEA0A0JW337M+	3-C849	AC		R
VCEA0A1AW107M+	3-C802	AC		R
〃	3-C846	AB		R
〃	3-C1001	AB		R
VCEA0A1AW108M+	3-C307	AB		R
VCEA0A1CW106M+	3-C370	AB		R
〃	3-C383	AB		R
〃	3-C387	AB		R

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	3-C390	AB		R
〃	3-C817	AB		R
〃	3-C827	AB		R
〃	3-C847	AB		R
〃	3-C1850	AB		R
〃	3-C3003	AB		R
〃	3-C3005	AB		R
VCEA0A1CW107M+	3-C809	AB		R
VCEA0A1CW336M+	3-C893	AC		R
VCEA0A1CW476M+	3-C720	AB		R
〃	3-C1003	AB		R
VCEA0A1CW477M+	3-C451	AC		R
VCEA0A1EW107M+	3-C760	AB		R
VCEA0A1EW226M+	3-C610	AB		R
VCEA0A1EW228M+	3-C393	AD		R
〃	3-C756	AE		R
VCEA0A1EW476M+	3-C301	AD		R
〃	3-C721	AB		R
VCEA0A1EW477M+	3-C308	AD		R
〃	3-C511	AB		R
〃	3-C516	AB		R
VCEA0A1HW104M+	3-C709	AB		R
〃	3-C1853	AB		R
VCEA0A1HW106M+	3-C206	AB		R
〃	3-C808	AB		R
〃	3-C1859	AB		R
VCEA0A1HW107M+	3-C505	AB		R
VCEA0A1HW224M+	3-C302	AB		R
〃	3-C304	AB		R
VCEA0A1HW225M+	3-C371	AB		R
〃	3-C372	AB		R
〃	3-C394	AB		R
〃	3-C395	AB		R
〃	3-C829	AB		R
〃	3-C831	AB		R
VCEA0A1HW336M+	3-C306	AB		R
VCEA0A1HW475M+	3-C201	AB		R
〃	3-C314	AB		R
〃	3-C602	AB		R
〃	3-C825	AB		R
VCEA0A1VW226M+	3-C719	AB		R
VCEA0A2EW106M+	4-C852	AB		R
VCEA0A2EW336M+	3-C604	AD		R
VCFPKH2ED364J	3-C635			R
VCFPV2EC154J	3-C835			R
VCFPVC3ZA163H	3-C617	AD		R
VCFYAA2AA474J+	3-C508	AD		R
VCFYFA1HA104J+	3-C313	AB		R
VCFYFA1HA224J+	3-C840	AA		R
VCFYFA1HA474J+	3-C309	AE		R
〃	3-C310	AE		R
VCFYFAHA105J+	3-C744			R
VCFYSA1JB473J+	3-C514			R
VCKYCY1AB105KY	3-C820	AA		R
〃	3-C822	AA		R
〃	3-C842	AA		R
VCKYCY1AB474KY	3-C843	AB		R
VCKYCY1CF474ZY	3-C1004	AB		R
VCKYCY1EF104ZY	3-C1016	AA		R
VCKYCY1HB102KY	3-C836	AA		R
〃	3-C837	AA		R
〃	3-C1863	AA		R
〃	3-C1864	AA		R
VCKYCY1HB103KY	3-C832	AA		R
VCKYCY1HB103ZY	3-C303	AA		R
〃	3-C305	AA		R
VCKYCY1HB104KY	3-C620	AA		R
〃	3-C759	AA		R
〃	3-C801	AA		R
〃	3-C811	AA		R
〃	3-C812	AA		R
〃	3-C813	AA		R
〃	3-C815	AA		R
〃	3-C816	AA		R
〃	3-C826	AA		R
〃	3-C830	AA		R
〃	3-C848	AA		R
VCKYCY1HB223ZY	3-C839	AA		R
VCKYCY1HF103ZY	3-C203	AA		R
〃	3-C207	AA		R
〃	3-C208	AA		R
〃	3-C209	AA		R

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	3-C210	AA		R
〃	3-C211	AA		R
VCKYCY1HF224ZY	3-C803	AA		R
〃	3-C845	AA		R
〃	3-C1852	AA		R
VCKYPA1HB102K+	3-C391	AA		R
〃	3-C515	AA		R
VCKYPA1HB271K+	3-C853	AA		R
VCKYPA1HB332K+	3-C711	AB		R
VCKYPA1HB391K+	4-C852	AA		R
VCKYPA1HB561K+	4-C851	AA		R
VCKYPA2HB101K+	3-C650	AB		R
VCKYPA2HB102K+	3-C512	AA		R
〃	3-C606	AD		R
〃	3-C714	AC		R
〃	3-C757	AC		R
〃	4-C856	AB		R
〃	4-C862	AB		R
〃	4-C863	AB		R
VCKYPA2HB561K+	4-C861	AB		R
VCKYPH3DB561K	3-C743	AC		R
VCQPPC2JB473J	3-C618			R
VCQYTA1HM103J+	3-C710	AB		R
〃	3-C844	AB		R
VCQYTA1HM563J+	3-C601	AB		R
VCQYTA1HM682J+	3-C841			R
VCQYTA2AA103K+	3-C608	AC		R
VHD1SS244//-1Y	3-D602	AB		R
VHDHSS4148+-1Y	3-D203	AA		R
〃	3-D302	AA		R
〃	3-D303	AA		R
〃	3-D605	AA		R
〃	3-D607	AA		R
〃	3-D714	AA		R
〃	3-D725	AA		R
〃	3-D804	AA		R
〃	3-D1005	AA		R
〃	3-D1007	AA		R
VHEZJ12B+++1EY	3-D301			R
〃	3-D808			R
VHEZJ2R0B++1EY	3-D716			R
VHEZJ33C+++1EY	3-D201			R
VHEZJ4R3B++1EY	3-D724			R
VHEZJ5R1B++1EY	3-D807			R
VHEZJ6R2A++1EY	3-D608			R
VHiKiA78D33-1	3-iC751			R
VHiLA42102+-1	3-iC301			R
VHiLA78041+-1	3-iC501			R
VHiM24C16W6-1Y	3-iC1003			R
VHiPQ05RDA1-1	3-iC752			R
VHiSE125N++-F	3-iC703			R
VHiSTRW6553-1	3-iC701	AM		R
VHiTDA6107A-1	4-iC851			R
VP-CF100K0000Y	3-L802	AB		R
VP-DF100K0000Y	3-L801	AB		R
〃	3-L803	AB		R
〃	3-L804	AB		R
〃	3-L806	AB		R
〃	3-L807	AB		R
〃	3-L809	AB		R
〃	3-L811	AB		R
VP-DF270K0000Y	3-L203	AB		R
〃	3-L810	AB		R
VP-XF100K0000Y	3-L813	AB		R
VP-XF1R2K0000Y	3-L204			R
VP-XF4R7K0000Y	3-L812	AB		R
VRC-MA2HG152KY	4-R854			R
〃	4-R855			R
〃	4-R856			R
VRD-RA2BE101JY	3-R323	AA		R
〃	3-R640	AA		R
〃	3-R810	AA		R
〃	3-R815	AA		R
〃	3-R816	AA		R
〃	3-R830	AA		R
〃	3-R831	AA		R
〃	3-R837	AA		R
〃	3-R843	AA		R
〃	3-R1001	AA		R
〃	3-R1004	AA		R
〃	3-R1008	AA		R
〃	3-R1011	AA		R

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	3-R1013	AA		R
〃	3-R1014	AA		R
〃	3-R1018	AA		R
〃	3-R1019	AA		R
〃	3-R1025	AA		R
〃	3-R1051	AA		R
〃	3-R1052	AA		R
〃	3-R1055	AA		R
〃	3-R1056	AA		R
VRD-RA2BE102JY	3-R823	AA		R
VRD-RA2BE103JY	3-R309	AA		R
〃	3-R310	AA		R
〃	3-R845	AA		R
〃	3-R1012	AA		R
VRD-RA2BE104JY	3-R603	AA		R
〃	3-R839	AA		R
VRD-RA2BE151JY	3-R431	AA		R
〃	3-R1057	AA		R
〃	3-R1058	AA		R
〃	3-R1059	AA		R
VRD-RA2BE181JY	3-R1028	AA		R
VRD-RA2BE221JY	3-R704	AA		R
VRD-RA2BE222JY	3-R627	AA		R
〃	3-R727	AA		R
VRD-RA2BE223JY	3-R304	AA		R
VRD-RA2BE330JY	3-R835	AA		R
VRD-RA2BE331JY	3-R637	AA		R
〃	3-R638	AA		R
VRD-RA2BE332JY	3-R1010	AA		R
〃	3-R1033	AA		R
VRD-RA2BE393GY	3-R829	AA		R
VRD-RA2BE393JY	3-R602	AA		R
VRD-RA2BE413JY	3-R721	AA		R
VRD-RA2BE474JY	3-R630	AA		R
VRD-RA2BE560JY	3-R308	AA		R
〃	3-R314	AA		R
VRD-RA2BE563JY	3-R641	AA		R
VRD-RA2BE750JY	3-R844	AA		R
VRD-RA2EE682JY	3-R711	AA		R
VRD-RA2EE750JY	3-R459	AA		R
VRD-RM2H330JY	3-R609	AA		R
VRD-RM2HD101JY	4-R851	AA		R
〃	4-R852	AA		R
〃	4-R853	AA		R
VRD-RM2HD102JY	3-R608	AA		R
〃	3-R1043	AA		R
VRD-RM2HD104JY	3-R605	AA		R
VRD-RM2HD151JY	3-R827	AA		R
VRD-RM2HD154JY	3-R702	AA		R
VRD-RM2HD184JY	3-R625	AA		R
VRD-RM2HD1R0JY	3-R325	AA		R
〃	3-R326	AA		R
〃	3-R507	AA		R
VRD-RM2HD220JY	3-R710	AA		R
VRD-RM2HD224JY	4-R861	AA		R
VRD-RM2HD270JY	3-R612	AA		R
VRD-RM2HD271JY	3-R639	AA		R
VRD-RM2HD334JY	3-R753	AA		R
VRD-RM2HD821JY	3-R725	AA		R
VRN-RL2HC1R0J+	3-R765	AB		R
〃	3-R766	AB		R
VRN-RL2HC4R7J+	3-R621	AB		R
VRN-RL2HC6R8J	3-R756	AB		R
〃	3-R759	AB		R
〃	3-R760	AB		R
VRN-RL2HCR22J+	3-R726	AB		R
VRN-RL2HCR47J+	3-R508	AB		R
〃	3-R510	AB		R
VRN-RL3AB1R2J+	3-R611	AB		R
VRN-RL3DBR68J+	3-R503	AB		R
VRN-RL3LBR33J+	3-R302	AA		R
VRN-VV3DB3R3J+	3-R755	AA		R
VRN-VV3LB3R3J	3-R642			R
VRS-CY1JF000JY	3-RJ15	AA		R
〃	3-RJ16	AA		R
〃	3-RJ31	AA		R
〃	3-RJ103	AA		R
〃	3-RJ315	AA		R
〃	3-RJ316	AA		R
〃	3-RJ405	AA		R
〃	3-RJ801	AA		R
〃	3-RJ802	AA		R

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	3-RJ810	AA		R
〃	3-RJ814	AA		R
〃	3-RJ821	AA		R
〃	3-RJ822	AA		R
〃	3-RJ823	AA		R
〃	3-RJ824	AA		R
VRS-CY1JF101JY	3-R201	AA		R
〃	3-R202	AA		R
〃	3-R803	AA		R
〃	3-R804	AA		R
〃	3-R805	AA		R
〃	3-R818	AA		R
〃	3-R820	AA		R
〃	3-R821	AA		R
〃	3-R822	AA		R
〃	3-R834	AA		R
〃	3-R842	AA		R
〃	3-R1006	AA		R
〃	3-R1007	AA		R
〃	3-R1017	AA		R
〃	3-R1026	AA		R
〃	3-R1041	AA		R
〃	3-R1042	AA		R
〃	3-R1050	AA		R
〃	3-R1053	AA		R
〃	3-R1054	AA		R
VRS-CY1JF102JY	3-R324	AA		R
〃	3-R615	AA		R
〃	3-R616	AA		R
〃	3-R1024	AA		R
VRS-CY1JF103JY	3-R213	AA		R
〃	3-R307	AA		R
〃	3-R315	AA		R
〃	3-R362	AA		R
〃	3-R363	AA		R
〃	3-R365	AA		R
〃	3-R366	AA		R
〃	3-R381	AA		R
〃	3-R382	AA		R
〃	3-R383	AA		R
〃	3-R384	AA		R
〃	3-R458	AA		R
〃	3-R462	AA		R
〃	3-R809	AA		R
〃	3-R812	AA		R
〃	3-R824	AA		R
〃	3-R1035	AA		R
VRS-CY1JF104JY	3-R322	AA		R
〃	3-R1027	AA		R
VRS-CY1JF122JY	3-R206	AA		R
〃	3-R1036	AA		R
VRS-CY1JF123JY	3-R617	AA		R
〃	3-R833	AA		R
VRS-CY1JF151JY	3-R1045	AA		R
〃	3-R1046	AA		R
〃	3-R1047	AA		R
VRS-CY1JF152JY	3-R1038	AA		R
〃	3-R1039	AA		R
VRS-CY1JF154JY	3-R614	AA		R
VRS-CY1JF181JY	3-R848	AA		R
〃	3-R1022	AA		R
VRS-CY1JF182JY	3-R520	AA		R
〃	3-R521	AA		R
VRS-CY1JF221JY	3-R207	AA		R
〃	3-R220	AA		R
〃	3-R806	AA		R
〃	3-R807	AA		R
〃	3-R808	AA		R
〃	3-R1020	AA		R
〃	4-R863	AA		R
〃	4-R864	AA		R
〃	4-R865	AA		R
VRS-CY1JF222JY	3-R618	AA		R
〃	3-R1037	AA		R
VRS-CY1JF224JY	3-R372	AA		R
〃	3-R374	AA		R
VRS-CY1JF272JY	3-R301	AA		R
VRS-CY1JF273JY	3-R750	AA		R
〃	3-R762	AA		R
VRS-CY1JF274JY	3-R305	AA		R
VRS-CY1JF331JY	3-R208	AA		R
〃	3-R1021	AA		R

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VRS-CY1JF332JY	3-R645	AA		R
〃	3-R1015	AA		R
〃	3-R1016	AA		R
〃	3-R1034	AA		R
〃	3-R1078	AA		R
〃	3-R1079	AA		R
VRS-CY1JF333JY	3-R764	AA		R
〃	3-R825	AA		R
VRS-CY1JF391JY	3-R828	AA		R
VRS-CY1JF392JY	3-R209	AA		R
VRS-CY1JF394JY	3-R628	AA		R
〃	3-R629	AA		R
VRS-CY1JF472JY	3-R370	AA		R
〃	3-R371	AA		R
〃	3-R626	AA		R
VRS-CY1JF473JY	3-R303	AA		R
VRS-CY1JF562JY	3-R840	AA		R
〃	3-R841	AA		R
VRS-CY1JF563JY	3-R214	AA		R
VRS-CY1JF680JY	3-R205	AA		R
VRS-CY1JF681JY	3-R1023	AA		R
VRS-CY1JF750JY	3-R461	AA		R
〃	3-R3001	AA		R
VRS-CY1JF821JY	3-R813	AA		R
〃	3-R814	AA		R
VRS-KA3HG681J	3-R644			R
VRS-RG2HC100J+	4-R858			R
VRS-RG3AB181J+	3-R601	AB		R
〃	3-R607	AB		R
VRS-RG3AB331J+	3-R506	AB		R
VRS-RG3DB103J+	3-R643	AA		R
VRS-RG3DB682J	3-R622	AA		R
VRS-VV3DB6R8J	3-R754	AA		R
VRS-VV3LB333J	3-R216	AC		R
VS2SA1271-Y-1+	3-Q755			R
〃	3-Q756			R
VS2SA1530AR-1Y	3-Q302	AB		R
VS2SC2235Y/1E+	3-Q601	AE		R
VS2SC2735//-1Y	3-Q201			R
VS2SC3198-G-1+	3-Q603	AA		R
VS2SC3928AR-1Y	3-Q752	AB		R
〃	3-Q753	AB		R
〃	3-Q801	AB		R
〃	3-Q803	AB		R
〃	3-Q1070	AB		R
VS2SC6090++1E	3-Q602			R
VS2SK2161++-1	3-Q604			R
VSP9050PA05YA	5-SP301			R
VW7UGB-190KK	3-J3			R

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RQ0099-S
June 2008 Printed in Malaysia

Design and Production Information	
Design	:SEM
Production	:SREC

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